Service Manual

AUTOMOTIVE ELECTRONICS

mazda

VEHICLE	DESTINATION	PRODUCED AFTER	MAZDA PART NO.	ID CODE	MATSUSHITA MODEL NO.
626	Europe	Apr., 1997	GE7D 66 9C0	—	CQ-LM4720A
626	Europe	Apr., 1997	GE7D 79 9C0	—	CQ-LM4720F

AM/FM MPX ELECTRONIC TUNING RADIO with stereo cassette tape player, CD Player Controller and CD Changer Controller

SPECIFICATIONS*

Power Supply : DC 12V (11V~16V), Test Voltage 13.2V, Negative Ground
Current Consumption : Less than 4.0A
Maximum Power Output : 16W×4 (at 4Ω)
Speaker Impedance : 4Ω

UKW Stereo Radio

Frequency Range :	87.5~108.0 MHz
Usable Sensitivity :	7 dB (μV) (S/N 30dB)
Stereo Separation :	35 dB
Seek Sensitivity :	24 dB (μV)
Signal to Noise Ratio :	60 dB

MW Radio

Frequency Range :	531~1,602 kHz
Intermediate Frequency :	450 kHz
Maximum Sensitivity :	20 (μV) (Vol. Max.)
Signal to Noise Ratio :	30 dB (32dB (μV) Input, Vol. Max.)
Seek Sensitivity :	35 dB (μV)

Tape Player

Reproduction System :	4-Track, 2-Program Stereo
Tape Speed :	1-7/8" (4.76 cm/sec)
Wow and Flutter :	Less than 0.35% (WRMS)
Crosstalk :	More than 46 dB
Stereo Separation :	50 dB
Signal/Noise Ratio :	53 dB

Dimensions :** 178(W)×172(D) ×50(H) mm

* Specifications subject to change without notice.
** Dimensions and Weight shown are approximate.

Manufactured for MAZDA

by Matsushita Communication Industrial Co., LTD.

NO. 1066

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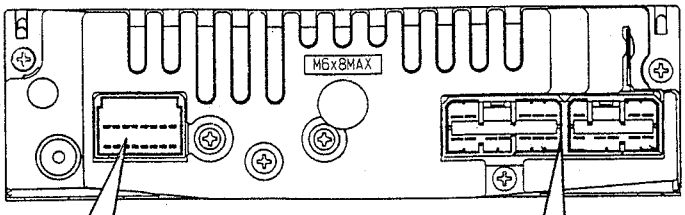
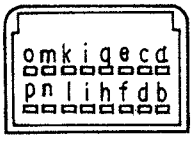
FEATURES

- PLL (Phase Locked Loop) synthesized tuning.
- 15-station preset (5-MW, 5-UKW1, 5-UKW2)
- Seek tuning function.
- Scan tuning function.
- RDS function.
- CD player control.
- CD changer control.
- Clock function.
- Removable face plate.

REAR VIEW AND CONNECTORS



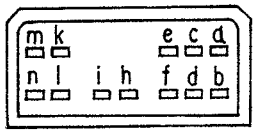
CN702 16P CONNECTOR



a. CD Rch ⊕ Input
b. Signal Ground
c. CD Lch ⊕ Input
d. No Connection
e. No Connection
f. No Connection
g. BUS Ground
h. BUS Line
i. Power Supply, ACC
j. Power Ground
k. Power Supply, ⊕ B
l. System Mute
m. ⊕ TNS
n. Ground (Illumi. ⊖)
o. No Connection
p. No Connection

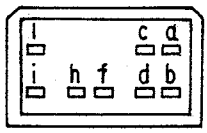
CN701 12P/8P CONNECTOR

<12P CONNECTOR>



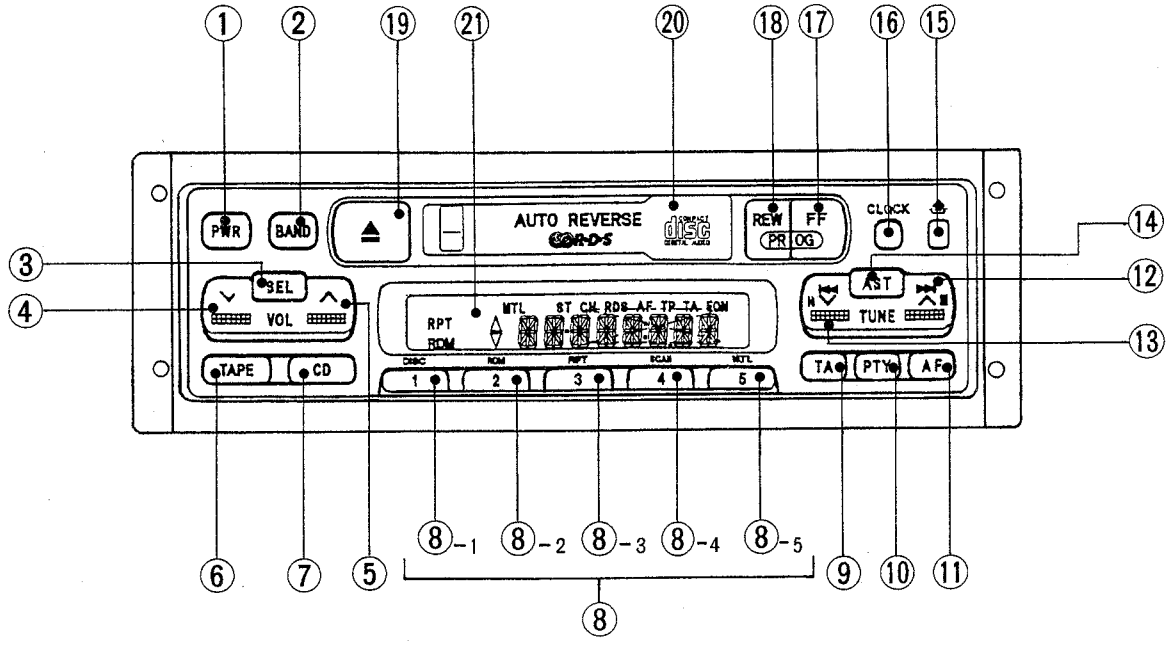
a. Power Supply, ACC
b. H/F. Telephone Mute
c. Power Supply, ⊕ B
d. Antenna Switch
e. ⊕ TNS
f. No Connection
h. Steering Switch
j. Steering SW (MODE)
k. Front Speaker, Left ⊕
l. Front Speaker, Left ⊖
m. Front Speaker, Right ⊕
n. Front Speaker, Right ⊖

<8P CONNECTOR>



a. Rear Speaker, Left ⊕
b. Rear Speaker, Left ⊖
c. No Connection
d. No Connection
f. Rear Speaker, Right ⊕
h. Rear Speaker, Right ⊖
i. No Connection
j. No Connection

NAME AND FUNCTION OF EACH PARTS



①	PWR	: Power ON/OFF.
②	BAND	: Radio Band selction.
③	SEL	: Audio adjustment mode selection.
④	VOL ∨	: Audio adjustment. (Decrease)
⑤	VOL ∧	: Audio adjustment. (Increase)
⑥	TAPE	: Tape mode selection.
⑦	CD	: CD mode selection.
⑧	1~5	: Radio frequency preset/call.
⑧-1	DISC	: CD disc up.
⑧-2	RDM	: CD random play.
⑧-3	PRT	: CD repeat play.
⑧-4	SCAN	: CD scan play.
⑧-5	MTL	: Metal tape selection.
⑨	TA	: RDS Traffic Announsment select.
⑩	PTY	: RDS Program Type display/search.
⑪	AF	: RDS Alternative Frequency function.
⑫	TUNE ∧	: Radio frequency up.
	▶▶|	: CD track up.
	M	: Minute adjustment.
⑬	TUNE ∨	: Radio frequency down.
	|◀◀	: CD track down.
	H	: Hour adjustment.
⑭	AST	: Auto station preset.
⑮		: Removable face plate release.
⑯	CLOCK	: Clock adjustment.
⑰	FF	: Tape fast-forwad.
⑱	REW	: Tape rewind.
⑲	⏏	: Tape eject.
⑳		: Cassette slot.
㉑		: LCD Display.

OPERATION OF CONTROLS

1. POWER SWITCH AND VOLUME CONTROL

	Operation	Working
1	• Depress the PWR knob ①. • Depress the PWR knob ① again.	• Power is on. • Power is off.
2	• Depress the button ⑤ or ⑥.	• VOL level becomes up or down by one step.

2. BASS AND TREBLE CONTROL

	Operation	Working
1	• Depress the SEL button ③.	• Depress the button ③ so that the mode will become "BASS" adjustment mode.
	• Depress the button ④ or ⑤.	• BASS level becomes up or down by one step.
2	• Depress the SEL button ③.	• Depress the button ③ so that the mode will become "TREBLE " adjustment mode.
	• Depress the button ④ or ⑤.	• TREBLE level becomes up or down by one step.

3. FADER AND BALANCE CONTROL

	Operation	Working
1	• Depress the SEL button ③.	• Depress the button ③ so that the mode will become "FADER" adjustment mode.
	• Depress the button ④ or ⑤.	• FADER level becomes up or down by one step.
2	• Depress the SEL button ③.	• Depress the button ③ so that the mode will become "BALANCE" adjustment mode.
	• Depress the button ④ or ⑤.	• BALANCE level becomes up or down by one step.

4. AUDIO CONNECTION CHECK

	Operation	Working
1	• Depress the button ① and ⑭ simultaneously less than 0.2 sec.	• The unit switch each of the four speakers as following. FL → FR → RL ← RR ←

5. RADIO FUNCTION

1) BAND MODE

	Operation	Working
1	• Depress the BAND button ②.	• The display changes as below whenever the button is pressed. → U1 → U2 → MW →

2) MANUAL TUNING

	Operation	Working
1	• Depress the TUNE ∧ button ⑫ less than 0.5 sec.	• Receiving frequency becomes higher by one step. • One Step : 9kHz (MW) 50kHz (UKW)
2	• Depress the TUNE ∨ button ⑬ less than 0.5 sec.	• Reaceiving frequency becomes lower by one step.

3) SEEK TUNING

	Operation	Working
1	• Depress the TUNE ∧ button ⑫ from 0.5 sec. to 1.5 sec.	• The seek operation in the screen up direction is made. • The play stops when there is a station and this state is kept as is.
2	• Depress the TUNE ∨ button ⑬ from 0.5 sec. to 1.5 sec.	• The seek operation in the screen down direction is made. • The play stops when there is a station and this state is kept as is.

4) AUTO PRESET TUNING

	Operation	Working
1	• Depress the AST button ⑭ more than 1.5 sec.	• Up to five strongest stations along the frequency band will automatically memorize into memory.
2		• Memorize stations are called in order. • If the number of broadcasting stations stored in memory is less the five, the corresponding channel is displayed as"—"

5) PRESET

	Operation	Working
1	• Depress the button ⑧ more than 1.5 seconds.	• 15-station preset tuning. (5-MW, 5-UKW1, 2-UKW2)
2	• Depress the button ⑧ less than 1.5 seconds.	• Indicating frequency presetting.

• Initial Data

(Unit : MW/kHz, UKW/MHz)

	M1	M2	M3	M4	M5
MW	531	603	999	1404	1602
UKW1, 2	87.5	87.9	98.1	105.1	107.9

6) AF (RDS)

	Operation	Working
1	• Depress the AF button ⑪ less than 1.5 sec.	• If this button is depressed during TA mode or TA stand-by mode, AF function changes ON or OFF.

<AF : Alternative Frequency>
When receiving condition becomes poor, a station broadcasting with the same program will be automatically selected.

2	• Depress the AF button ⑪ more than 1.5 sec.	• If this button is depressed during TA mode or TA stand-by mode, REG function changes ON or OFF.

<REG : Region>
If the "REG " switch is in the position ON, the selection of alternative frequency changeover is exclusively limited to the reception of broadcasting stations which transmit the same program and the same program identification.

7) TA (RDS)

	Operation	Working
1	• Depress the TA button ⑨.	**<When receiving the traffic information broadcast station (TP station)>** • Wait for another station that broadcast traffic information. **<When receiving a station other than TP stations (including the EON station>** • A traffic information station is automatically searched for. And the radio automatically stops on the next available TP station.

8) PTY (RDS)

	Operation	Working
1	• Depress the PTY button ⑩.	• The PTY (Program Type) of the broadcast now received is displayed.
2	• Depress the PTY button ⑩ again.	• Changes to the program type selection mode. • The program type changes whenever the button is pressed.
3	• Depress the button ⑫or ⑬.	• If this button is pressed when the program type is displayed, the broadcast of the desired PTY code is searched from previous (next) receiving frequency.

6. TAPE CONTROLS

1) TAPE MODE

	Operation	Working
1	• Depress the TAPE button ⑥.	• When the cassette tape is loaded, the mode changes to the tape mode.

2) FF, REW

	Operation	Working
1	• Depress the FF button ⑰.	• If the tape is playing, the FF mode is selected.
2	• Depress the REW button ⑱.	• If the tape is playing, the REW mode is selected.

3) PROG

	Operation	Working
1	• Depress the buttons ⑰ and ⑱ simultaneously.	• If this button is depressed during the play mode the playing side change to the other side.

4) EJECT

	Operation	Working
1	• Depress the EJECT button ⑲.	• Cassette is ejected. • If ACC is OFF, tape eject is valid only once.

7. CD CONTROLS

1) CD

	Operation	Working
1	• Depress the CD button ⑦.	• Changes to the CD mode. • If this button is depressed when the disc is inserted, the CD playback starts.

2) TRACK UP, DOWN

	Operation	Working
1	• Depress the ∧ button ⑫ less than 0.5 sec.	• A track number increase and the CD search the top of the desired track.
2	• Depress the ∨ button ⑬ less than 0.5 sec.	• A track number decrease and the CD search the top of the desired track.

3) FF, REV

	Operation	Working
1	• Depress the ∧ button ⑫ more than 0.5 sec.	• Fast-forward starts ten times speedier. • When the current track comes to the end, the next track is fast-forward.
2	• Depress the ∨ button ⑬ more than 0.5 sec.	• Reverse starts ten times speedier. • When the current track comes to the beginning, the previous track is rewind.

4) RPT PLAY

	Operation	Working
1	• Depress the RPT button ⑧-3.	• The current selection music replay continually.

5) RANDOM PLAY

	Operation	Working
1	• Depress the RDM button ⑧-2.	• A random selection of music is played.

6) SCAN PLAY

	Operation	Working
1	• Depress the SCAN button ⑧-4 during the play mode.	• The scanning starts from next music. • The first 10 seconds of each music play in sequence.
2	• Depress the SCAN button ⑧-4 during the scan mode.	• The music scanning stop and continue with the current music.

8. CD CHANGER CONTROLS

1) CD

	Operation	Working
1	• Depress the button CD ⑦.	• The mode changes to the CD mode, when CD magazine is loaded.

2) DISC

	Operation	Working
1	• Depress the button ⑧-1.	• A disc number is increase.

3) TRACK UP, DOWN

	Operation	Working
1	• Depress the button ⑫ (∧) less than 0.5 sec.	• A track number increase and the CD search the top of the desired track.
2	• Depress the button ⑬ (∨) less than 0.5 sec.	• A track number decrease and the CD search the top of the desired track.

4) FAST UP, DOWN

	Operation	Working
1	• Depress and hold the button ⑫ (∧) more than 0.5 sec.	• The fast-forward mode starts.
2	• Depress and hold the button ⑬ (∨) more than 0.5 sec.	• The rewind mode starts.

5) SCAN

	Operation	Working
1	• Depress the SCAN button ⑧-4.	• The first 10 seconds of each music play in order within the disc.

6) RPT

	Operation	Working
1	• Depress the RPT button ⑧-3 less than 0.5 sec.	• The current selection music replay continually.

7) RANDOM

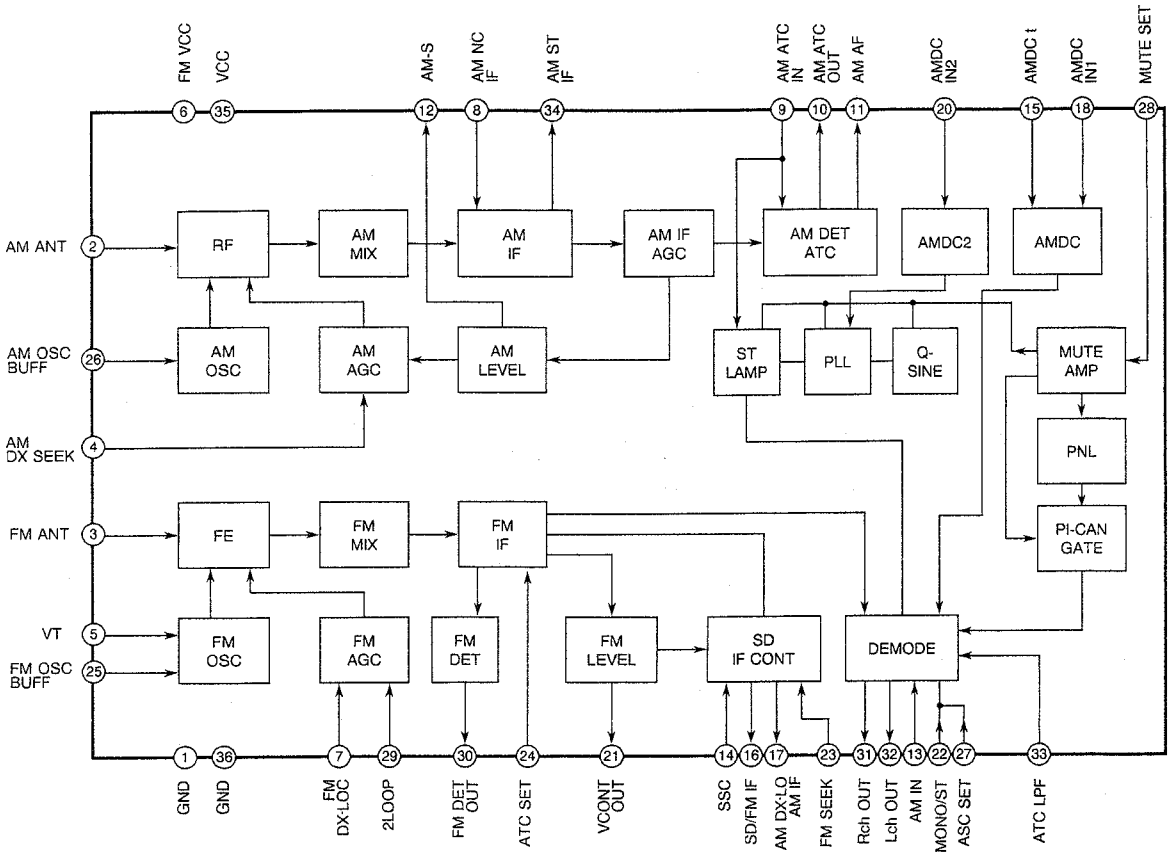
	Operation	Working
1	• Depress the RAND button ⑧-2.	• A random selection of music is played from all available tracks.

9. TIME DISPLAY / SETTING MODE

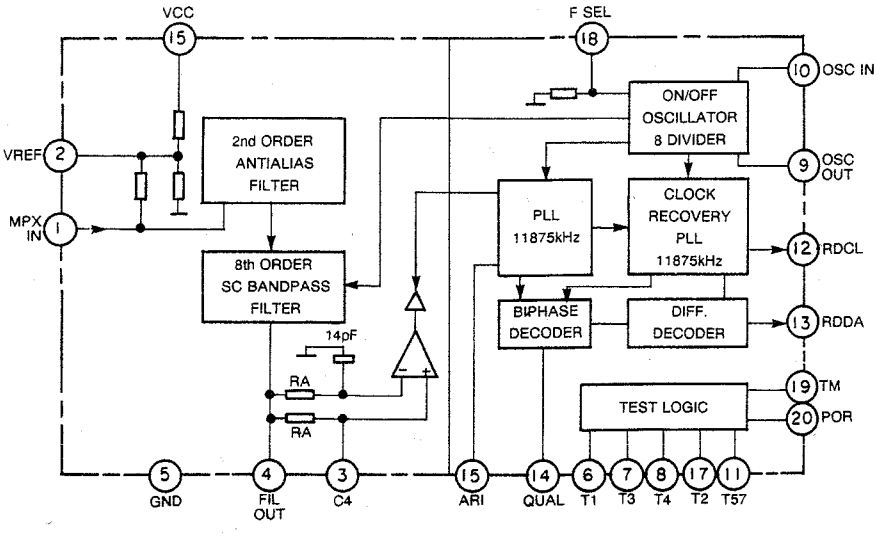
	Operation	Working
1	• Depress the CLOCK button ⑯ less than 1.5sec.	• The mode changes to the time display mode.
2	• Depress the CLOCK button ⑯ more than 1.5sec.	• The mode changes to the time setting mode.
3	• Depress the H button ⑬.	• The hours are set.
4	• Depress the M button ⑫.	• The minutes are set.

PACKAGE AND IC BLOCK DIAGRAM

● PA101 YEP0PTA513A0



● IC751 YEAMTDA7330B



Replacement Parts List
Models No.CQ-LM4720A/F

NOTES:

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice:Components identified by ⚠ mark have special characteristics impotant for safety. When replacing any of these components,use only manufacturer's specified parts.
3. Next to the Ref.No.in the parts list is a location key,to show the general location of the parts shown in the exploded drawing,as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item.

After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assmbly,and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

5. "MCC"marks in remarks column are indicated supply parts of Matsushita Communication Industrial Corp.of America(MCC).

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
ICs & TRANSISTORs					
MAIN BLOCK [E-6649A]					
IC101	AN6564NST1		IC	1	
IC201	YEAMM62419T1		IC	1	
IC231	YEAMTA8255AH		IC	1	
IC251	YEAMPC4574T1		IC	1	
IC371	YEAMLA3161		IC	1	
IC621	AN8065SE1		IC	1	
IC651	YEAM78098109		IC	1	
IC700	YEAMPC2408HF		IC	1	
IC701	AN78N05		IC	1	
IC751	YEAMTDA7330B		IC	1	
IC761	YEAMLC72146T		IC	1	
PA101	YEP0PTA513A0		Pack,AM/FM	1	
Q121, 122	YEANBP1F3PT		Transistor	2	
Q231, 241	YEANC323TKT		Transistor	2	
Q280	YEANC114YKTX		Transistor	1	
Q311	YEANA812T1		Transistor	1	
Q331, 341	YEANC323TKT		Transistor	2	
Q380	YEANC114YKTX		Transistor	1	
Q631	YEANC114EKTX		Transistor	1	
Q632	YEANA144EKTX		Transistor	1	
Q633	2SB1073TX		Transistor	1	
Q641	YEANC3618T1		Transistor	1	
Q642	YEANC1623T1		Transistor	1	
Q643	YEANA1037KT		Transistor	1	
Q644	YEANC1623T1		Transistor	1	
Q691	YEANA144EKTX		Transistor	1	
Q692	YEANC144EKTX		Transistor	1	
Q701	YEANBP1F3PT		Transistor	1	
Q702	YEANC114YKTX		Transistor	1	
Q703	YEAN2SB736T2		Transistor	1	
Q704	YEANC114YKTX		Transistor	1	
Q705	YEANA812T1		Transistor	1	
Q706	YEAND1862T		Transistor	1	
Q708	YEAND1762EF		Transistor	1	
Q722, 731	YEANC114YKTX		Transistor	2	
Q734	YEANA144EKTX		Transistor	1	
Q735	2SD1994ATA		Transistor	1	
Q761	YEAN2SK536TB		Transistor	1	
RDS BLOCK [E8390A]					
IC151	YEAMPC4574T1		IC	1	
DISPLAY BLOCK [E-8389A]					
IC601	YEAMLC75854C		IC	1	

DIODEs

MAIN BLOCK

[E-6649A]

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
D100	MA729TX		Diode	1	
D101	YEAD1SS355T1		Diode	1	
D639	MA4082LTA		Diode	1	
D640	YEADRD56M2T2		Diode	1	
D641	YEADRD10M2T1		Diode	1	
D642	MA153TX		Diode	1	
D651	LN85CP		Diode	1	
D691 to 697	MA8056LMHTX		Diode	7	
D700	YEADDSA3A2C		Diode	1	
D701, 703	MA4091MTA		Diode	2	
D720, 723	YEAD1SS355T1		Diode	2	
D724	MA151WKTX		Diode	1	
D731	YEADRD56M3T1		Diode	1	
D732	MA151WATX		Diode	1	
D734	YEAD1SS355T1		Diode	1	
D751	YEADRD51M2T2		Diode	1	

RDS BLOCK

[E-8390A]

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
D151, 152	MA153TX		Diode	2	

DISPLAY BLOCK

[E-8389A]

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
D600	MA151KTX		Diode	1	
D601 to 605	MA8056LMHTX		Diode	5	
D606 to 613	YEADSML011MT		Diode	8	
D614, 615	YEADSEC1501C		Diode	2	
D616	YEADSML011MT		Diode	1	
D617 to 634	YEADSEC1501C		Diode	18	

CAPACITORs

MAIN BLOCK

[E-6649A]

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C102	YECUS1H222KX		Ceramic, 0.0022MFD 50WV	1	
C103	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C104	ECA1AM221B		Electrolytic, 220MFD 10WV	1	
C105	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C106	YECUS1H153KX		Ceramic, 0.015MFD 50WV	1	
C107	YECUS1C154KX		Ceramic, 0.15MFD 16WV	1	
C109	YECUS1E223KX		Ceramic, 0.022MFD 25WV	1	
C110	YECUS1C683KX		Ceramic, 0.068MFD 16WV	1	
C111	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C112	ECEA1CKS100I		Electrolytic, 10MFD 16WV	1	
C114	YECUS1H151JM		Ceramic, 150PF 50WV	1	
C115	YECUS1H471JM		Ceramic, 470PF 50WV	1	
C117, 119	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2	
C120	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C121	ECA1AM221I		Electrolytic, 220MFD 10WV	1	
C151	ECA1CSA100I		Electrolytic, 10MFD 16WV	1	
C161	YECUS1E223KX		Ceramic, 0.022MFD 25WV	1	
C163	ECA1HSA4R7I		Electrolytic, 4.7MFD 50WV	1	
C166	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C201	ECA1HSAR33I		Electrolytic, 0.33MFD 50WV	1	
C202	ECA1CSA100I		Electrolytic, 10MFD 16WV	1	
C203	YECUS1H220JM		Ceramic, 22PF 50WV	1	
C204	ECA1HSA2R2I		Electrolytic, 2.2MFD 50WV	1	
C205	YECUS1H221JM		Ceramic, 220PF 50WV	1	
C206	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C207	ECA1HSA4R7I		Electrolytic, 4.7MFD 50WV	1	
C209	YECUS1H222KX		Ceramic, 0.0022MFD 50WV	1	

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C210	YECUS1C154KX		Ceramic, 0.15MFD 16WV	1	
C211	YECUS1H222KX		Ceramic, 0.0022MFD 50WV	1	
C213, 214	ECA1CSA100I		Electrolytic, 10MFD 16WV	2	
C221	YECUS1E223KX		Ceramic, 0.022MFD 25WV	1	
C222	YECUS1H392KX		Ceramic, 0.0039MFD 50WV	1	
C230	ECA1CM100B		Electrolytic, 10MFD 16WV	1	
C231, 232	YECUS1C124KX		Ceramic, 0.12MFD 16WV	2	
C233, 234	YECUV1C124KX		Ceramic, 0.12MFD 16WV	2	
C240	ECA0JSA220I		Electrolytic, 22MFD 6.3WV	1	
C251	ECA1HSA4R7I		Electrolytic, 4.7MFD 50WV	1	
C252	ECEA1EKS4R7I		Electrolytic, 4.7MFD 25WV	1	
C253, 254	YECUS1H471JM		Ceramic, 470PF 50WV	2	
C260	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C271	YECUS1H122KX		Ceramic, 0.0012MFD 50WV	1	
C272	ECEA1HKS010I		Electrolytic, 1MFD 50WV	1	
C273	ECEA0JKS101I		Electrolytic, 100MFD 6.3WV	1	
C274	YECUS1E273KX		Ceramic, 0.027MFD 25WV	1	
C280	YECUS1E333KX		Ceramic, 0.033MFD 25WV	1	
C291	ECA0JSA101I		Electrolytic, 100MFD 6.3WV	1	
C292	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C301	ECA1HSAR33I		Electrolytic, 0.33MFD 50WV	1	
C302	ECA1CSA100I		Electrolytic, 10MFD 16WV	1	
C303	YECUS1H220JM		Ceramic, 22PF 50WV	1	
C304	ECA1HSA2R2I		Electrolytic, 2.2MFD 50WV	1	
C305	YECUS1H221JM		Ceramic, 220PF 50WV	1	
C306	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C307	ECA1HSA4R7I		Electrolytic, 4.7MFD 50WV	1	
C309	YECUS1H222KX		Ceramic, 0.0022MFD 50WV	1	
C310	YECUS1C154KX		Ceramic, 0.15MFD 16WV	1	
C311	YECUS1H222KX		Ceramic, 0.0022MFD 50WV	1	
C313, 314	ECA1CSA100I		Electrolytic, 10MFD 16WV	2	
C320	ECA1HSA010I		Electrolytic, 1MFD 50WV	1	
C321	YECUS1E223KX		Ceramic, 0.022MFD 25WV	1	
C322	YECUS1H392KX		Ceramic, 0.0039MFD 50WV	1	

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C331 to 334	YECUS1C124KX		Ceramic, 0.12MFD 16WV	4	
C350	ECEA1HKS010I		Electrolytic, 1MFD 50WV	1	
C351	ECA1HSA4R7I		Electrolytic, 4.7MFD 50WV	1	
C352	ECEA1EKS4R7I		Electrolytic, 4.7MFD 25WV	1	
C353, 354	YECUS1H471JM		Ceramic, 470PF 50WV	2	
C371	YECUS1H122KX		Ceramic, 0.0012MFD 50WV	1	
C372	ECEA1HKS010I		Electrolytic, 1MFD 50WV	1	
C373	ECA0JM101I		Electrolytic, 100MFD 6.3WV	1	
C374	YECUS1E273KX		Ceramic, 0.027MFD 25WV	1	
C380	YECUS1E333KX		Ceramic, 0.033MFD 25WV	1	
C501	YECUS1H681JM		Ceramic, 680PF 50WV	1	
C615	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C616	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C619	ECEA0JKS331I		Electrolytic, 330MFD 6.3WV	1	
C622	YECUV1C104KX		Ceramic, 0.1MFD 16WV	1	
C632	YECUS1C224KX		Ceramic, 0.22MFD 16WV	1	
C633	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C634	ECEA1AKS221I		Electrolytic, 220MFD 10WV	1	
C636, 637	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2	
C640, 641	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2	
C642	ECEA1CKS101I		Electrolytic, 100MFD 16WV	1	
C643	YECUS1H330JM		Ceramic, 33PF 50WV	1	
C644	YECUS1H102KX		Ceramic, 0.001MFD 50WV	1	
C645	YECUS1H471JM		Ceramic, 470PF 50WV	1	
C651, 652	YECUS1H270JM		Ceramic, 27PF 50WV	2	
C653, 655	YECUS1H180JM		Ceramic, 18PF 50WV	2	
C657	ECEA0JKS331I		Electrolytic, 330MFD 6.3WV	1	
C658, 660	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2	
C661	YECUS1H220JM		Ceramic, 22PF 50WV	1	
C663, 664	YECUS1H103KX		Ceramic, 0.01MFD 50WV	2	
C691	YECUV2A103KX		Ceramic, 0.01MFD 100WV	1	
C692	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C693, 694	YECUS1H103ZF		Ceramic, 0.01MFD 50WV	2	
C700	ECQV1H104JL2		Plastic Film, 0.1MFD 50WV	1	

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C701	YECUS1E223KX		Ceramic, 0.022MFD 25WV	1	
C702	ECEA1CPU222L		Electrolytic, 2200MFD 16WV	1	
C704	ECA1CM102B		Electrolytic, 1000MFD 16WV	1	
C705	ECA1CM471B		Electrolytic, 470MFD 16WV	1	
C707	ECA1CM100I		Electrolytic, 10MFD 16WV	1	
C708	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C709	ECA1CM221B		Electrolytic, 220MFD 16WV	1	
C710	ECA1AM101I		Electrolytic, 100MFD 10WV	1	
C711	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C712	ECA0JM101I		Electrolytic, 100MFD 6.3WV	1	
C713	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C714	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C721	ECQV1H104JL2		Plastic Film, 0.1MFD 50WV	1	
C724	ECA1AM101I		Electrolytic, 100MFD 10WV	1	
C726	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C727	ECA1AM101I		Electrolytic, 100MFD 10WV	1	
C730	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C735, 736	YECUS1H333ZF		Ceramic, 0.033MFD 50WV	2	
C738, 739	YECUS1H333ZF		Ceramic, 0.033MFD 50WV	2	
C751	YECUS1H331JM		Ceramic, 330PF 50WV	1	
C752	YECUS1H271JM		Ceramic, 270PF 50WV	1	
C753	ECA1CSA100I		Electrolytic, 10MFD 16WV	1	
C754	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C756, 757	YECUS1H270JM		Ceramic, 27PF 50WV	2	
C758	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C759	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C760	ECA1CSA470I		Electrolytic, 47MFD 16WV	1	
C761	YECUS1H150JM		Ceramic, 15PF 50WV	1	
C765	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C767 to 769	YECUS1H101JM		Ceramic, 100PF 50WV	3	
C770	YECUS1H150JM		Ceramic, 15PF 50WV	1	
C771	ECA0JSA101I		Electrolytic, 100MFD 6.3WV	1	
C772	YECUS1E333KX		Ceramic, 0.033MFD 25WV	1	
C773	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C774	ECEA1AKS221I		Electrolytic, 220MFD 10WV	1	
C775, 776	YECUS1H101JM		Ceramic, 100PF 50WV	2	
C777	YECUS1H222KX		Ceramic, 0.0022MFD 50WV	1	
C778	ECQV1H683JL2		Plastic Film, 0.068MFD 50WV	1	
C781	YECUS1H103KX		Ceramic, 0.01MFD 50WV	1	
C790	YECUS1H102KX		Ceramic, 0.001MFD 50WV	1	

RDS BLOCK

[E-8390A]

C152	YECUS1H122KX		Ceramic, 0.0012MFD 50WV	1	
C153	YECUS1H152KX		Ceramic, 0.0015MFD 50WV	1	
C154	YECUV2A103KX		Ceramic, 0.01MFD 100WV	1	
C155	YECUS1H151JM		Ceramic, 150PF 50WV	1	
C156	YECUV1H151JM		Ceramic, 150PF 50WV	1	
C157	YECUS1H151JM		Ceramic, 150PF 50WV	1	
C158	YECUS1H102KX		Ceramic, 0.001MFD 50WV	1	
C159	YECUS1H100DM		Ceramic, 10PF 50WV	1	
C160	YECUS1H102KX		Ceramic, 0.001MFD 50WV	1	
C164	YECUS1H151JM		Ceramic, 150PF 50WV	1	

DISPLAY BLOCK

[E-8389A]

C601, 602	YECUS1H473KX		Ceramic, 0.047MFD 50WV	2	
C603	YECUS1H681JM		Ceramic, 680PF 50WV	1	
C604	YECUS1C104KX		Ceramic, 0.1MFD 16WV	1	
C605 to 609	YECUS1H181JM		Ceramic, 180PF 50WV	5	

RESISTORs

MAIN BLOCK

[E-6649A]

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R101	ERJ6GEYJ392		Chip, 3.9k ohms 0.1W	1	
R103	ERJ6GEYJ153		Chip, 15k ohms 0.1W	1	
R105	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R108	ERJ6GEYJ223		Chip, 22k ohms 0.1W	1	
R109	ERJ6GEYJ563		Chip, 56k ohms 0.1W	1	
R111	ERJ6GEYJ683		Chip, 68k ohms 0.1W	1	
R112	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	
R113	ERJ6GEYJ101		Chip, 100 ohms 0.1W	1	
R114	ERJ6GEYJ822		Chip, 8.2k ohms 0.1W	1	
R115	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R201	ERJ6GEYJ332		Chip, 3.3k ohms 0.1W	1	
R203	ERJ6GEYJ273		Chip, 27k ohms 0.1W	1	
R204	ERJ6GEYJ683		Chip, 68k ohms 0.1W	1	
R205	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	1	
R206	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R207	ERJ6GEYJ682		Chip, 6.8k ohms 0.1W	1	
R208	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R209	ERJ6GEYJ182		Chip, 1.8k ohms 0.1W	1	
R210	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R211	ERJ6GEYJ123		Chip, 12k ohms 0.1W	1	
R221, 222	ERJ6GEYJ121		Chip, 120 ohms 0.1W	2	
R225, 226	ERJ6GEYJ821		Chip, 820 ohms 0.1W	2	
R231 to 234	ERJ8GEYJ1R0V		Chip, 1.0 ohm 0.13W	4	
R235	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R241, 242	ERD25TJ681		Carbon, 680 ohms 0.25W	2	
R245	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R251 to 254	ERJ6GEYJ103		Chip, 10k ohms 0.1W	4	
R255	ERJ6GEYJ680		Chip, 68 ohms 0.1W	1	
R260	ERJ6GEYJ514		Chip, 510k ohms 0.1W	1	
R271	ERJ6GEYJ333		Chip, 33k ohms 0.1W	1	
R272	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	1	
R273	ERJ6GEYJ390		Chip, 39 ohms 0.1W	1	
R274	ERJ6GEYJ124		Chip, 120k ohms 0.1W	1	
R275	ERJ8GEYJ562V		Chip, 5.6k ohms 0.13W	1	
R280	ERJ6GEYJ222		Chip, 2.2k ohms 0.1W	1	
R281	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	
R291, 292	ERJ6GEYJ222		Chip, 2.2k ohms 0.1W	2	
R301	ERJ6GEYJ332		Chip, 3.3k ohms 0.1W	1	
R303	ERJ6GEYJ273		Chip, 27k ohms 0.1W	1	
R304	ERJ6GEYJ683		Chip, 68k ohms 0.1W	1	
R305	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	1	
R306	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R307	ERJ6GEYJ682		Chip, 6.8k ohms 0.1W	1	
R308	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R309	ERJ6GEYJ182		Chip, 1.8k ohms 0.1W	1	
R310	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R311	ERJ6GEYJ123		Chip, 12k ohms 0.1W	1	
R321, 322	ERJ6GEYJ121		Chip, 120 ohms 0.1W	2	
R325, 326	ERJ6GEYJ821		Chip, 820 ohms 0.1W	2	
R327	ERJ6GEYJ222		Chip, 2.2k ohms 0.1W	1	
R328	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R331 to 334	ERJ8GEYJ1R0V		Chip, 1.0 ohm 0.13W	4	
R335	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R341, 342	ERD25TJ681		Carbon, 680 ohms 0.25W	2	
R345	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R351 to 354	ERJ6GEYJ103		Chip, 10k ohms 0.1W	4	
R355	ERJ6GEYJ680		Chip, 68 ohms 0.1W	1	
R371	ERJ6GEYJ333		Chip, 33k ohms 0.1W	1	
R372	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	1	
R373	ERJ6GEYJ390		Chip, 39 ohms 0.1W	1	
R374	ERJ6GEYJ124		Chip, 120k ohms 0.1W	1	
R375	ERJ8GEYJ562V		Chip, 5.6k ohms 0.13W	1	
R380	ERJ6GEYJ222		Chip, 2.2k ohms 0.1W	1	
R381	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R621	YER122R2703D		Metal Film, 270k ohms 0.1W	1	
R622	YER122P4302D		Metal Film, 43k ohms 0.1W	1	
R623	YER122P2702D		Metal Film, 27k ohms 0.1W	1	
R624	YER122P4701D		Metal Film, 4.7k ohms 0.1W	1	
R633	ERJ8GEYJ333V		Chip, 33k ohms 0.13W	1	
R635	ERJ8GEYJ222V		Chip, 2.2k ohms 0.13W	1	
R636	ERJ8GEYJ102V		Chip, 1k ohms 0.13W	1	
R637	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R638	ERDS2TJ271		Carbon, 270 ohms 0.25W	1	
R639	ERJ8GEYJ101V		Chip, 100 ohms 0.13W	1	
R640	ERDS2TJ182		Carbon, 1.8k ohms 0.25W	1	
R641	ERDS2TJ1R0		Carbon, 1.0 ohm 0.25W	1	
R642	ERJ6GEYJ100		Chip, 10 ohms 0.1W	1	
R644	ERJ6GEYJ223		Chip, 22k ohms 0.1W	1	
R645	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R646	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	
R647	ERJ6GEYJ183		Chip, 18k ohms 0.1W	1	
R648	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R649	ERJ6GEYJ223		Chip, 22k ohms 0.1W	1	
R650	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R651	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	
R653, 654	ERJ6GEYJ102		Chip, 1k ohms 0.1W	2	
R657, 663	ERJ6GEYJ102		Chip, 1k ohms 0.1W	2	
R664 to 666	ERJ6GEYJ102		Chip, 1k ohms 0.1W	3	
R668	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R671	ERJ8GEYJ681V		Chip, 680 ohms 0.13W	1	
R672	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R673	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R674	ERJ6GEYJ104		Chip, 100k ohms 0.1W	1	
R675	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R676	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R677	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R678	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R679 to 681	ERJ6GEYJ102		Chip, 1k ohms 0.1W	3	

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R682	ERDS2TJ473		Carbon, 47k ohms 0.25W	1	
R683	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R685	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R687	ERJ6GEYJ684		Chip, 680k ohms 0.1W	1	
R688	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R691	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	1	
R692 to 697	ERJ6GEYJ184		Chip, 180k ohms 0.1W	6	
R698	ERJ6GEYJ470		Chip, 47 ohms 0.1W	1	
R699	ERJ6GEYJ184		Chip, 180k ohms 0.1W	1	
R702	ERDS2TJ102		Carbon, 1k ohms 0.25W	1	
R704	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R705	ERJ6GEYJ272		Chip, 2.7k ohms 0.1W	1	
R706	ERDS2TJ122		Carbon, 1.2k ohms 0.25W	1	
R707	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R708	ERJ8GEYJ272V		Chip, 2.7k ohms 0.13W	1	
R712, 716	ERDS2TJ821		Carbon, 820 ohms 0.25W	2	
R724	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R733	ERJ6GEYJ332		Chip, 3.3k ohms 0.1W	1	
R735	ERDS2TJ1R0		Carbon, 1.0 ohm 0.25W	1	
R736	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R751	ERDS2TJ151		Carbon, 150 ohms 0.25W	1	
R752	ERJ6GEYJ334		Chip, 330k ohms 0.1W	1	
R754	ERJ6GEYJ225		Chip, 2.2M ohms 0.1W	1	
R756, 757	ERJ6GEYJ103		Chip, 10k ohms 0.1W	2	
R761	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R762	ERDS2TJ102		Carbon, 1k ohms 0.25W	1	
R763	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R764	ERDS2TJ102		Carbon, 1k ohms 0.25W	1	
R765	ERJ6GEYJ561		Chip, 560 ohms 0.1W	1	
R767	ERJ6GEYJ392		Chip, 3.9k ohms 0.1W	1	
R768	ERJ8GEYJ101V		Chip, 100 ohms 0.13W	1	
R769	ERDS2TJ561		Carbon, 560 ohms 0.25W	1	
R770	ERJ8GEYJ100V		Chip, 10 ohms 0.13W	1	
R811, 812	ERJ6GEYJ104		Chip, 100k ohms 0.1W	2	

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R813	ERJ6GEYJ473		Chip, 47k ohms 0.1W	1	
R814, 815	ERJ6GEYJ104		Chip, 100k ohms 0.1W	2	
R816	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R831	ERJ8GEYJ104V		Chip, 100k ohms 0.13W	1	
R832	ERJ6GEYJ471		Chip, 470 ohms 0.1W	1	

RDS BLOCK

[E-8390A]

R151, 152	ERJ6GEYJ332		Chip, 3.3k ohms 0.1W	2	
R153	ERJ8GEYJ222V		Chip, 2.2k ohms 0.13W	1	
R154	ERJ6GEYJ561		Chip, 560 ohms 0.1W	1	
R155	ERJ6GEYJ683		Chip, 68k ohms 0.1W	1	
R156	ERJ8GEYJ332V		Chip, 3.3k ohms 0.13W	1	
R157	ERJ6GEYJ183		Chip, 18k ohms 0.1W	1	
R158	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	
R159	ERJ8GEYJ393V		Chip, 39k ohms 0.13W	1	
R160	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R161	ERJ8GEYJ103V		Chip, 10k ohms 0.13W	1	
R162, 163	ERJ6GEYJ393		Chip, 39k ohms 0.1W	2	
R164	ERJ6GEYJ103		Chip, 10k ohms 0.1W	1	
R165	ERJ8GEYJ332V		Chip, 3.3k ohms 0.13W	1	
R166	ERJ6GEYJ224		Chip, 220k ohms 0.1W	1	
R167, 168	ERJ6GEYJ223		Chip, 22k ohms 0.1W	2	
R659, 660	ERJ6GEYJ102		Chip, 1k ohms 0.1W	2	
R662	ERJ6GEYJ102		Chip, 1k ohms 0.1W	1	

DISPLAY BLOCK

[E-8389A]

R601	ERJ6GEYJ683		Chip, 68k ohms 0.1W	1	
R602	ERJ6GEYJ472		Chip, 4.7k ohms 0.1W	1	
R603 to 606	ERJ6GEYJ102		Chip, 1k ohms 0.1W	4	
R607	ERJ8GEYJ470V		Chip, 47 ohms 0.13W	1	
R609	ERJ8GEYJ221V		Chip, 220 ohms 0.13W	1	
R610, 611	ERJ8GEYJ101V		Chip, 100 ohms 0.13W	2	
R612 to 618	ERJ6GEYJ121		Chip, 120 ohms 0.1W	7	

CONNECTORs

MAIN BLOCK

[E-6649A]

AE1	YEAES10A060A		Flat Cable, 10P	1	
CN630	YEAE9604S10S		Connector, 10P	1	
CN701	YEAE012672		Connector, 8P/12P	1	
CN702	YEAE012673		Connector, 16P	1	
CN901	YEAETKCF12PS		Connector, 12P	1	

RDS BLOCK

[E-8390A]

CP1	YEAE0110ASIK		Connector, 10P	1	
CP2	YEAE0106ASIK		Connector, 6P	1	
CP3	YEAE0104ASIK		Connector, 4P	1	
CP401, 402	YEAE0104ASIK		Connector, 4P	2	

DISPLAY BLOCK

[E-8389A]

CJ902	YEAE012282		Connector, 12P	1	

CONNECTOR BLOCK

[E-2566]

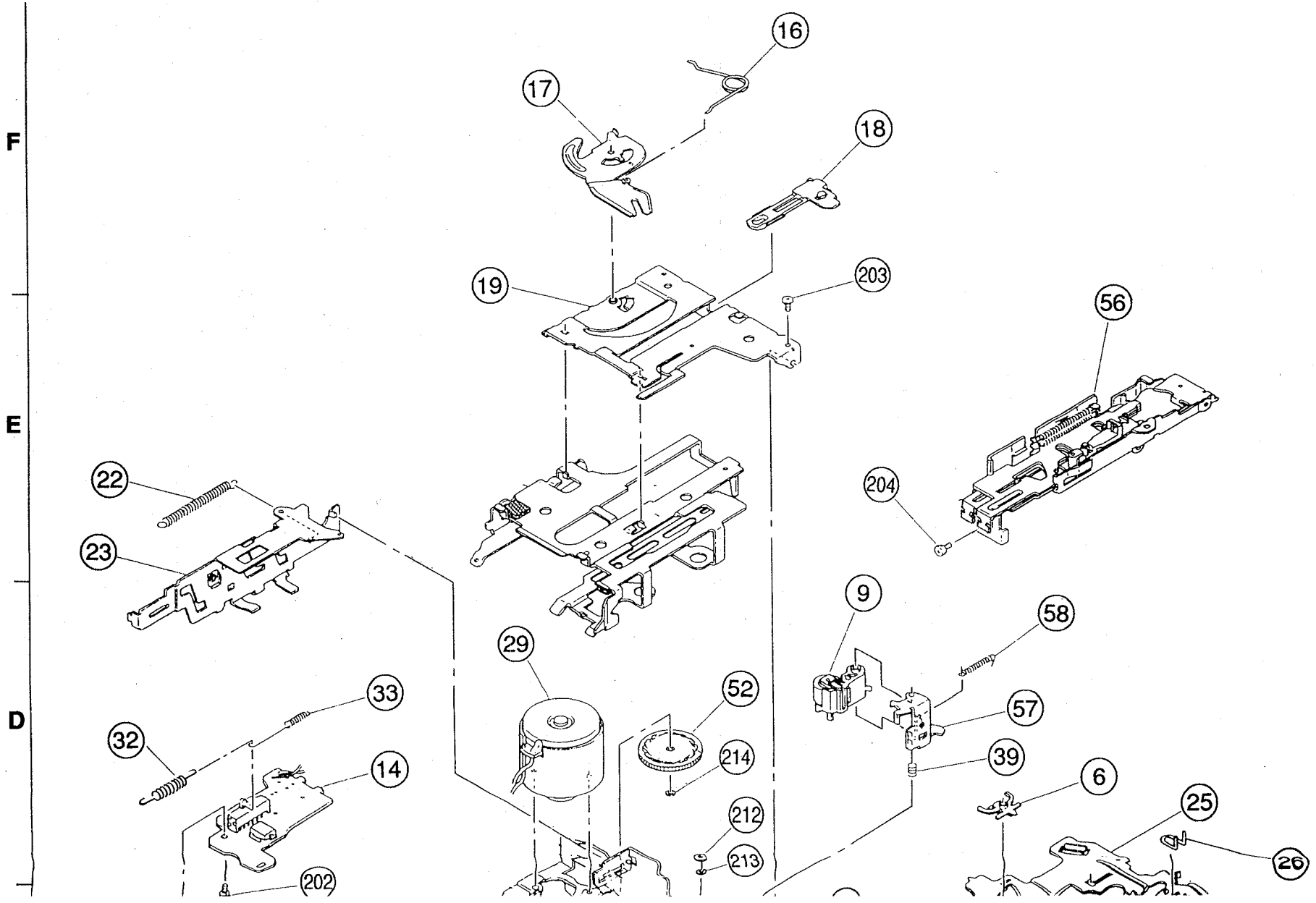
CJ901	YEAETKCF12QS		Connector, 12P	1	
CN902	YEAE012298		Connector, 12P	1	

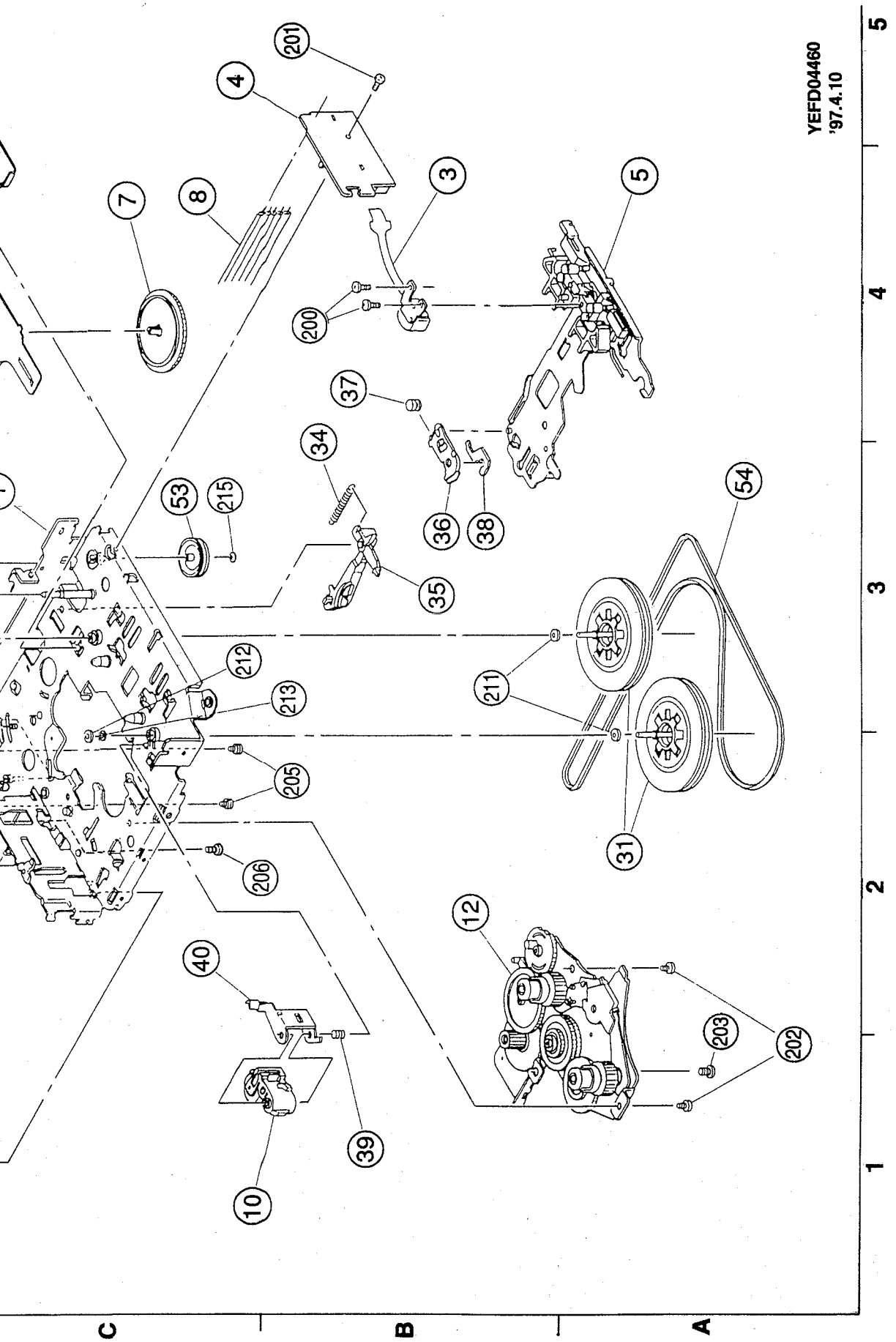
Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
SWITCHEs					
SW601, 603	YEAS09280		Switch	2	
SW604 to 620	YEAS09280		Switch	17	
CRYSTALs					
XL651	YEXL49U0629T		Crystal OSC	1	
XL652	YEXL2RX0327		Crystal OSC	1	
XL751	YEXL49U0433T		Crystal OSC	1	
XL761	YEXL49U072TA		Crystal OSC	1	
COILs					
L101	YELT02C3R3KT		Coil	1	
L103	YELT02C1R0KT		Coil	1	
L601	YELT03N101JT		Coil	1	
L651	YELT03N101JT		Coil	1	
L701	YETQ026F123		Coil	1	
L702	YELT02C470KT		Coil	1	
L752, 760	YELT02C101KT		Coil	2	
LCD					
LCD601	YEXDCM1217		LCD	1	
PRINTING					
	YEP9PR3165		Installation Book	1	CQ-LM4720F

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
MISCELLANEOUS					
Z101	YEAL02007T		Neon Lamp	1	
ANT101	YEAA10066		Antenna Receptacle	1	
1 (4-C)	YEFA031528		Upper Cover	1	
2 (1-B)	YEFA05674		Bottom Cover	1	
3 (2-C)	YEFA07406		Front Plate	1	
4 (3-C)	YEFA09558		Side Plate(R)	1	
5 (3-B)	YEFA09557		Side Plate(L)	1	
6 (4-C)	YEFF01884		Heat Sink	1	
7 (2-B)	YEFC041117A		Panel Plate	1	
8 (1-A)	YEFC025365A		Front Panel Ass'y,Removable	1	
9 (2-B)	YEFC025368A		Rear Panel,Removable	1	
10 (1-B)	YEFE134847		Button,Preset1-5	1	
11 (2-A)	YEFE134846		Button,AST	1	
12 (2-A)	YEFE134845		Button,SEL	1	
13 (2-B)	YEFE134844		Button,Release	1	
14 (2-B)	YEFX0052114A		Spring	1	
15 (4-C)	YEFS04660A		Rubber Packing	1	
16 (2-A)	YEFV021432A		Optical Shade	1	
17 (2-A)	YEFV021451A		Optical Shade	1	
18 (2-A)	YEFV021458A		Optical Shade	2	
19 (2-C)	YEFX0213799		Bracket,IC231	1	
20 (2-A)	YEFX0011666		Transparent Plate	1	
21 (2-B)	YEFX0011667		Transparent Plate	1	
22 (3-A)	YEFX0461522		Lever,Eject	1	
23 (2-A)	YEFX0214284		Bracket,LCD	1	
24 (3-A)	YEFX9991191		Blind Piece, Eject	1	
25 (3-A)	YEFX9991190A		Blind Piece,FF/REW	2	
26 (2-B)	YEFX0214243		Bracket,IC700/Q708	1	
27 (3-A)	YEFX0214242		Bracket,Deck	1	
28 (2-C)	YEFX0214244		Bracket,CN701	1	
29 (1-C)	YEFX0214241		Bracket,ANT	1	
30 (3-B,3-C)	YEFX0051753A		Spring	2	

EXPLODED VIEW (Tape)

■ Numbers in ○ are indicated REF.No. in the REPLACEMENT PARTS LIST

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Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
31 (1-B)	YEFX0213797		Bracket,GND	2	
32 (1-C)	YEP0PT6649A0		PCB w/Component	1	RTL
33 (1-B)	YEP0PT8389A0		PCB w/Component	1	RTL
34 (3-C)	YEP0PT2566A0		PCB w/Component	1	RTL
35 (2-B)	YEP0PT8390A0		PCB w/Component	1	RTL
40 ⊛	YEJS05023		Screw, 3mm × 18mm	2	
41 ❖	YEJS05017		Screw, 3mm × 8mm	2	
42 ☒	YEJT03068		Tapping Screw, 3mm × 8mm	2	
43 ⊛	XTV26+5GFN		Tapping Screw, 2.6mm × 5mm	5	
44 ▣	XSB26+4FX		Screw, 2.6mm × 4mm	1	
45 ▲	XSB26+5FX		Screw, 2.6mm × 5mm	2	
46 ◬	XSB3+4FX		Screw, 3mm × 4mm	4	
47 ☆	XSS3+5FX		Screw, 3mm × 5mm	4	
48 ★	XTB3+6FFX		Tapping Screw, 3mm × 6mm	3	
49 ◎	XTB3+8FFX		Tapping Screw, 3mm × 8mm	8	
50 ◉	XTN2+6GFZ		Tapping Screw, 2mm × 6mm	6	
51 ◈	YEJV01104		Blot,	1	

CASSETTE DECK PARTS

FD04460

1	(3-C)	YEFA011605		CHASSIS RIVET ASS'Y(K)	1	
3	(4-B)	YEAHP7742BB		HEAD ASS'Y	1	
4	(5-C)	YEAS07180		HEAD SW ASS'Y	1	
5	(4-A)	YEP0FX2802		HEAD PANEL ASS'Y (D)	1	
6	(4-D)	YEFX030095		P.GEAR METAL	1	
7	(4-C)	YEFX003778		P.GEAR	1	
8	(4-C)	YEAJ02741		FLAT WIRE	1	
9	(3-D)	YEFX249414		PINCH ROLLER ARM(F) ASS'Y	1	
10	(1-C)	YEFX249415		PINCH ROLLER ARM(R) ASS'Y	1	
12	(2-B)	YEP0FX2803		MG PLATE ASS'Y	1	
14	(2-D)	YEAS07181		POWER SW ASS'Y	1	
16	(3-F)	YEFX0052093		REVERSE SPRING	1	
17	(2-F)	YEFX0461773		P.S ACTUATOR PLATE B	1	
18	(3-F)	YEFX030096		PACK SLIDER B	1	
19	(2-F)	YEFX233484		CASE LEFTER B	1	
20	(2-E)	YEP0FX2804		CASSETTE CASE ASS'Y	1	
22	(1-E)	YEFX0052094		PUSH LEVER SPRING K	1	
23	(1-E)	YEP0FX2805		PUSH LEVER B RIVET ASS'Y	1	
25	(4-D)	YEFX0461776		MAIN PLATE	1	
26	(5-D)	YEFX0052099		H.S SPRING	1	
29	(2-D)	YEAK01026		MOTOR ASS'Y	1	
31	(2-A)	YEFX213212		FL CAPSTAN AS'Y	2	
32	(1-D)	YEFX0052108		P.SW SPRING R	1	
33	(2-D)	YEFX0052097		P.SW SPRING	1	
34	(3-B)	YEFX0052096		TA.SPRING	1	
35	(3-B)	YEFX249416		TRIGGER ARM	1	
36	(3-B)	YEFX249422		H.P PUSH ARM K	1	
38	(3-B)	YEFX249423		HP PUSH PLATE K	1	
39	(1-B,4-D)	YEFX0052098		P.P SPRING	2	
40	(2-C)	YEFX0461774		HP RETURN ARM	1	
52	(3-D)	YEFX003510		MAIN GEAR V	1	
53	(3-C)	YEFX026120		MIDDLE PULLEY	1	
54	(3-A)	YEFR03084		MAIN BELT	1	
56	(4-E)	YEP0FX2841		FR LEVER ASS'Y	1	
57	(4-D)	YEFX0461775		LOCK PLATE	1	
58	(4-D)	YEFX0052095		LOCK PLATE SPRING	1	
59	(3-D)	YEFX249420		LOCK PLATE S	1	
200	(4-B)	YEJS06132		SCREW	2	
201	(5-B)	YEJS06174		SCREW 2mm x 5mm	1	
202	(1-A,1-C)	YEJT03118		SCREW 2mm x 3mm	4	
203	(1-A,3-F)	YEJS06190		SCREW 2mm x 2mm	1	
204	(4-E)	YEJS06191		SCREW 2.6mm x 4.5mm	1	
205	(2-B)	YEJS06130		SCREW 2mm x 3mm	2	
206	(2-C)	YEJS06196		SCREW 2.6mm x 3.5mm	1	
211	(3-B)	YEJW05135		WASHER	2	
212	(3-C,3-D)	YEJW05136		WASHER	2	
213	(3-B,3-D)	YEJW05137		WASHER	2	

Ref.No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
214 (3-D)	YEFX014053		WASHER	1	
215 (3-C)	YEJW05130		WASHER	1	

Printed in Japan Ⓢ
1997. 4

Description	I/O	Vol. (V)
Electronic volume data	O	0
Antenna power control	O	4.9
EXT. amp power control	O	4.9
Mute control	O	4.9
RDS mute output	O	4.9
(Connecting to ground)	—	0
(Connecting to ground)	—	0
(Connecting to ground)	—	0
FM stereo detection	I	0.2
(Connecting to ground)	—	0
(Connecting to ground)	—	0
Ground	—	0
(Connecting to ground)	—	0
(Connecting to ground)	—	0
(Connecting to ground)	—	0
(Connecting to ground)	—	0
(Connecting to ground)	—	0
Security LED control	O	3.6
Test point	O	4.8
Telephone mute	I	4.4
Steering switch	I	0

Pin No.	Port	Description	I/O	Vol. (V)
43	CD.CH.OUT	Bus data output	O	0
44	ILL-IN	(Connecting to ground)	—	0
45	LCD.C	LCD Illumi. control	O	4.9
46	BEEP	Buzzer output	O	0
47	P.CONT	System power control	O	4.9
48	NC	(Connecting to ground)	—	0
49	MTL	Metal tape selection	O	0
50	MOTOR-ON	Tape motor control	O	4.9
51	NC	(Connecting to ground)	—	0
52	A/B	Tape side detection	I	1.2
53	F/R	Tape FF/REW detection	I	5.0
54	T. LOAD	Tape load detection	I	0
55	NC	(Connecting to ground)	—	0
56	NC	(Connecting to ground)	—	0
57	NC	(Connecting to ground)	—	0
58	NC	(Connecting to ground)	—	0
59	NC	(Connecting to ground)	—	0
60	RESET	Reset input	I	4.6
61	CD.CH.IN	Bus data input	I	4.7
62	+B-DET	Battery detection	I	4.6
63	ACC-DET	ACC detection	I	4.6

Pin No.	Port	Description	I/O	Vol. (V)
64	NC	(Connecting to ground)	—	0
65	NC	(Connecting to ground)	—	0
66	NC	(Connecting to ground)	—	0
67	MUON	(Connecting to V_{CC})	—	4.8
68	V_{DD}	+5V power supply	—	4.9
69	X2	Crystal oscillator	—	2.4
70	X1	Crystal oscillator	—	1.3
71	GND	Ground	—	0
72	XT2	Crystal oscillator	—	2.6
73	XT1	Crystal oscillator	—	0.7
74	V_{DD}	+5V power supply	—	4.9
75	V_{DD}	+5V power supply	—	4.9
76	VCONT	Radio signal detection	I	0
77	MP	Multi-path detection	I	0
78	NOISE	Adjustment station detection	I	1.4
79	ST-SW	Steering switch input	I	4.6
80	ESC	Escutheon Detection	I	4.9

Note 1 :
Voltage measurements are with respect to ground,with a voltmeter (Internal resistance : 10M ohms.)

■ IC601 YEAMLC7

Pin No.	Port	
1~5	—	Not used
6~39	S5~39	LCD seg
40~43	COM 1~4	LCD con
44~49	KS1~6	Key scar
50~54	KI1~5	Key data
55	TEST	(Connect
56	VDD	+5V pov
57	VDD1	Ground t
58	VDD2	Ground t
59	V_{SS}	Ground
60	OSC	CR oscill
61	DO	Key data
62	CE	Chip ena
63	CL	LCD cloc
64	DI	LCD data

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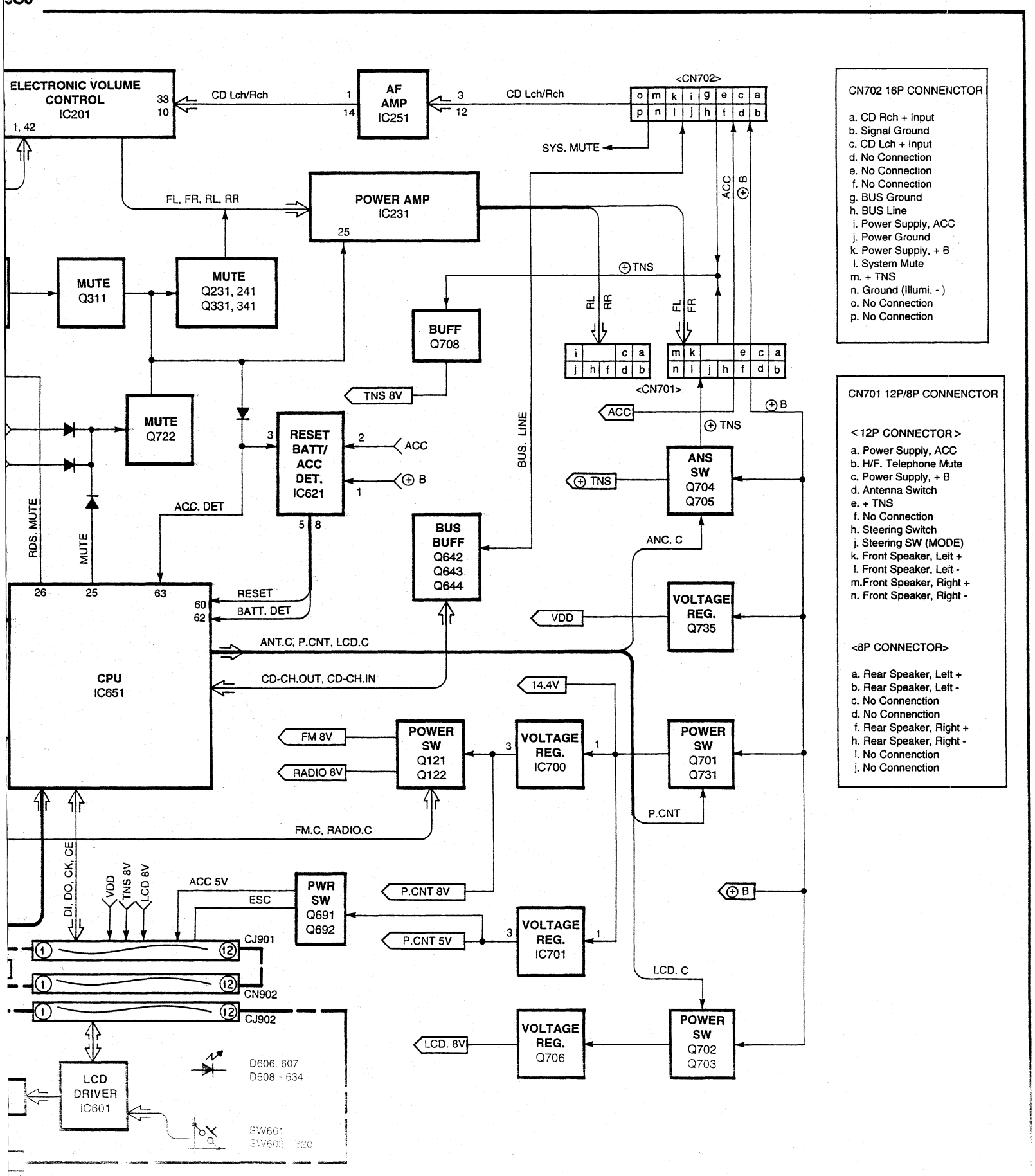


CN702 16P CONNENCTOR

a. CD Rch + Input
b. Signal Ground
c. CD Lch + Input
d. No Connection
e. No Connection
f. No Connection
g. BUS Ground
h. BUS Line
i. Power Supply, ACC
j. Power Ground
k. Power Supply, + B
l. System Mute
m. + TNS
n. Ground (Illumi. -)
o. No Connection
p. No Connection

CN701 12P/8P CONNENCTOR

<12P CONNECTOR>

a. Power Supply, ACC
b. H/F. Telephone Mute
c. Power Supply, + B
d. Antenna Switch
e. + TNS
f. No Connection
h. Steering Switch
j. Steering SW (MODE)
k. Front Speaker, Left +
l. Front Speaker, Left -
m.Front Speaker, Right +
n. Front Speaker, Right -

<8P CONNECTOR>

a. Rear Speaker, Left +
b. Rear Speaker, Left -
c. No Connenction
d. No Connenction
f. Rear Speaker, Right +
h. Rear Speaker, Right -
l. No Connenction
j. No Connenction

ALIGNMENT

- Power Supply Voltage : DC 13.2V
- Output Impedance : 4Ω
- Output Power : 0.5W

NOTE :
Do not align the AM/FM package block. When supplied already aligned at the factory.

1. HEAD AZIMUTH ALIGNMENT

- Test tape is TCC-153.
- If you do not have a test tape, use a tape w level is than 6 kHz for head adjustment. A adjustment apply bonding agent to the adjustm
- At forward play mode, adjust Ⓕ screw only terminal level shows max value.
- At reverse play mode, adjust Ⓡ screw only terminal level shows max value.
- Then, again at forward play mode, check if terminal level still shows max value.

AUDIO visual stereo cassette tape player CD player Combined and CD changer Service

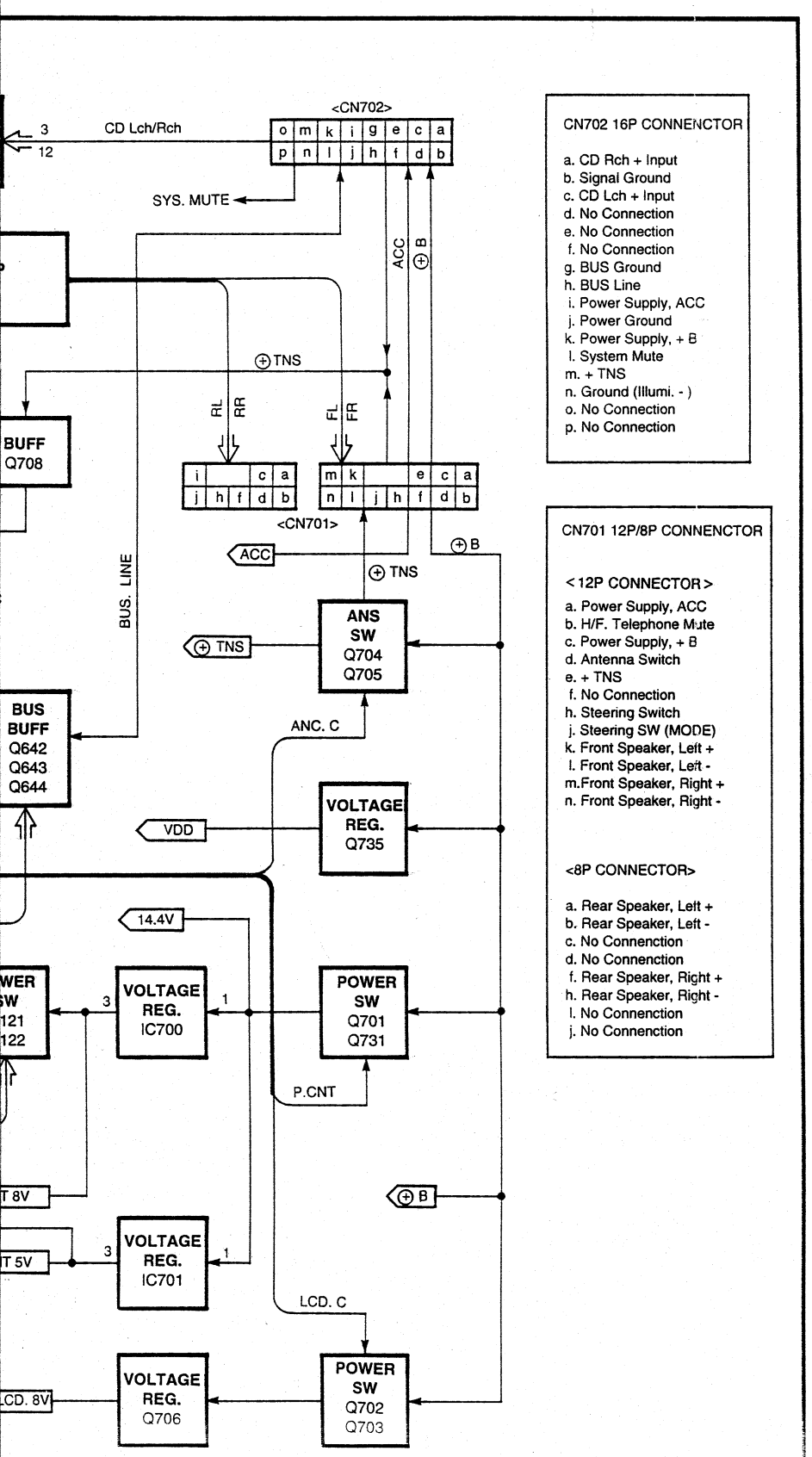
	Description	I/O	Vol. (V)
	Bus data output	O	0
	(Connecting to ground)	—	0
	LCD Illumi. control	O	4.9
	Buzzer output	O	0
	System power control	O	4.9
	(Connecting to ground)	—	0
	Metal tape selection	O	0
	Tape motor control	O	4.9
	(Connecting to ground)	—	0
	Tape side detection	I	1.2
	Tape FF/REW detection	I	5.0
	Tape load detection	I	0
	(Connecting to ground)	—	0
	(Connecting to ground)	—	0
	(Connecting to ground)	—	0
	(Connecting to ground)	—	0
	(Connecting to ground)	—	0
	Reset input	I	4.6
	Bus data input	I	4.7
	Battery detection	I	4.6
	ACC detection	I	4.6

Pin No.	Port	Description	I/O	Vol. (V)
64	NC	(Connecting to ground)	—	0
65	NC	(Connecting to ground)	—	0
66	NC	(Connecting to ground)	—	0
67	MUON	(Connecting to V_{CC})	—	4.8
68	V_{DD}	+5V power supply	—	4.9
69	X2	Crystal oscillator	—	2.4
70	X1	Crystal oscillator	—	1.3
71	GND	Ground	—	0
72	XT2	Crystal oscillator	—	2.6
73	XT1	Crystal oscillator	—	0.7
74	V_{DD}	+5V power supply	—	4.9
75	V_{DD}	+5V power supply	—	4.9
76	VCONT	Radio signal detection	I	0
77	MP	Multi-path detection	I	0
78	NOISE	Adjustment station detection	I	1.4
79	ST-SW	Steering switch input	I	4.6
80	ESC	Escutheon Detection	I	4.9

Note 1 :
Voltage measurements are with respect to ground,with a voltmeter (Internal resistance : 10M ohms.)

■ IC601 YEAMLC75854C

Pin No.	Port	Description	I/O	Vol. (V)
1~5	—	Not used	—	—
6~39	S5~39	LCD segment output	O	2.5
40~43	COM 1~4	LCD common output	O	2.5
44~49	KS1~6	Key scan signal	O	0.9
50~54	KI1~5	Key data input	I	0
55	TEST	(Connecting to ground)	—	0
56	VDD	+5V power supply	—	4.9
57	VDD1	Ground through capacitor	—	3.3
58	VDD2	Ground through capacitor	—	1.7
59	V_{SS}	Ground	—	0
60	OSC	CR oscillator	—	3.8
61	DO	Key data output	O	4.4
62	CE	Chip enable	I	0
63	CL	LCD clock	I	0
64	DI	LCD data input	I	0



CN702 16P CONNENCTOR

a. CD Rch + Input
b. Signal Ground
c. CD Lch + Input
d. No Connection
e. No Connection
f. No Connection
g. BUS Ground
h. BUS Line
i. Power Supply, ACC
j. Power Ground
k. Power Supply, + B
l. System Mute
m. + TNS
n. Ground (Illumi. -)
o. No Connection
p. No Connection

CN701 12P/8P CONNENCTOR

<12P CONNECTOR>

a. Power Supply, ACC
b. H/F. Telephone Mute
c. Power Supply, + B
d. Antenna Switch
e. + TNS
f. No Connection
h. Steering Switch
j. Steering SW (MODE)
k. Front Speaker, Left +
l. Front Speaker, Left -
m. Front Speaker, Right +
n. Front Speaker, Right -

<8P CONNECTOR>

a. Rear Speaker, Left +
b. Rear Speaker, Left -
c. No Connenction
d. No Connenction
f. Rear Speaker, Right +
h. Rear Speaker, Right -
l. No Connenction
j. No Connenction

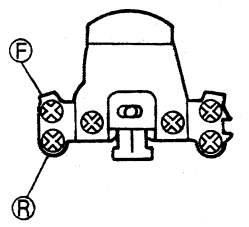
ALIGNMENT INSTRUCTIONS

- Power Supply Voltage : DC 13.2V
- Output Impedance : 4Ω
- Output Power : 0.5W
- Bass/Treb Control : Center
- Balance/Fader Control : Center

NOTE :
Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

1. HEAD AZIMUTH ALIGNMENT

- Test tape is TCC-153.
- If you do not have a test tape, use a tape whose recording level is than 6 kHz for head adjustment. After the above adjustment apply bonding agent to the adjustment screw.
- At forward play mode, adjust Ⓕ screw only so that speaker terminal level shows max value.
- At reverse play mode, adjust Ⓡ screw only so that speaker terminal level shows max value.
- Then, again at forward play mode, check if or not speaker terminal level still shows max value.



(D-type)

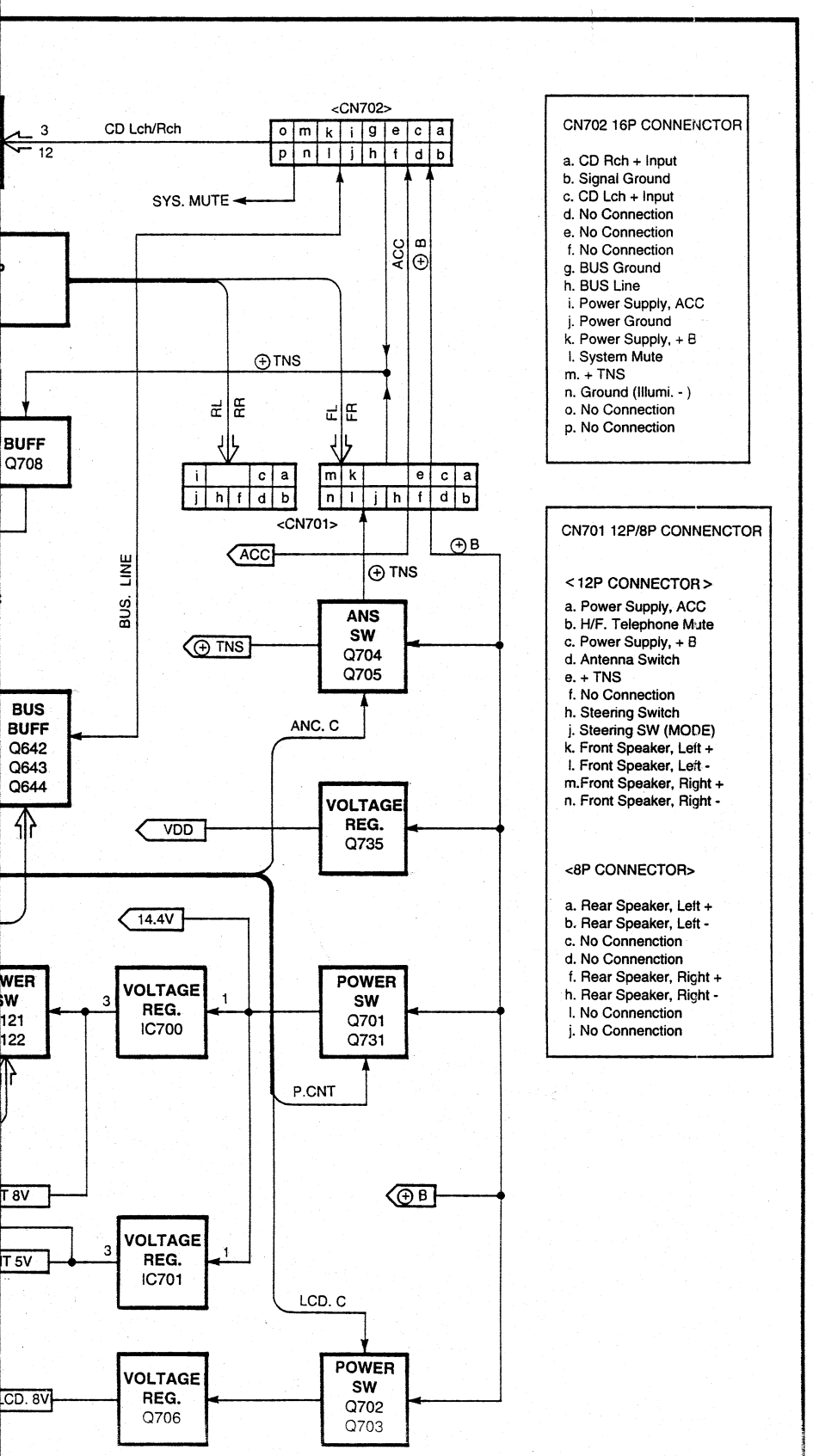
	Description	I/O	Vol. (V)
	Bus data output	O	0
	(Connecting to ground)	—	0
	LCD Illumi. control	O	4.9
	Buzzer output	O	0
	System power control	O	4.9
	(Connecting to ground)	—	0
	Metal tape selection	O	0
	Tape motor control	O	4.9
	(Connecting to ground)	—	0
	Tape side detection	I	1.2
	Tape FF/REW detection	I	5.0
	Tape load detection	I	0
	(Connecting to ground)	—	0
	(Connecting to ground)	—	0
	(Connecting to ground)	—	0
	(Connecting to ground)	—	0
	(Connecting to ground)	—	0
	Reset input	I	4.6
	Bus data input	I	4.7
	Battery detection	I	4.6
	ACC detection	I	4.6

Pin No.	Port	Description	I/O	Vol. (V)
64	NC	(Connecting to ground)	—	0
65	NC	(Connecting to ground)	—	0
66	NC	(Connecting to ground)	—	0
67	MUON	(Connecting to V_{CC})	—	4.8
68	V_{DD}	+5V power supply	—	4.9
69	X2	Crystal oscillator	—	2.4
70	X1	Crystal oscillator	—	1.3
71	GND	Ground	—	0
72	XT2	Crystal oscillator	—	2.6
73	XT1	Crystal oscillator	—	0.7
74	V_{DD}	+5V power supply	—	4.9
75	V_{DD}	+5V power supply	—	4.9
76	VCONT	Radio signal detection	I	0
77	MP	Multi-path detection	I	0
78	NOISE	Adjustment station detection	I	1.4
79	ST-SW	Steering switch input	I	4.6
80	ESC	Escutheon Detection	I	4.9

Note 1 :
Voltage measurements are with respect to ground,with a voltmeter (Internal resistance : 10M ohms.)

■ IC601 YEAMLC75854C

Pin No.	Port	Description	I/O	Vol. (V)
1~5	—	Not used	—	—
6~39	S5~39	LCD segment output	O	2.5
40~43	COM 1~4	LCD common output	O	2.5
44~49	KS1~6	Key scan signal	O	0.9
50~54	KI1~5	Key data input	I	0
55	TEST	(Connecting to ground)	—	0
56	VDD	+5V power supply	—	4.9
57	VDD1	Ground through capacitor	—	3.3
58	VDD2	Ground through capacitor	—	1.7
59	V_{SS}	Ground	—	0
60	OSC	CR oscillator	—	3.8
61	DO	Key data output	O	4.4
62	CE	Chip enable	I	0
63	CL	LCD clock	I	0
64	DI	LCD data input	I	0



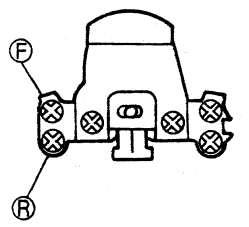
ALIGNMENT INSTRUCTIONS

- Power Supply Voltage : DC 13.2V
- Output Impedance : 4Ω
- Output Power : 0.5W
- Bass/Treb Control : Center
- Balance/Fader Control : Center

NOTE :
Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

1. HEAD AZIMUTH ALIGNMENT

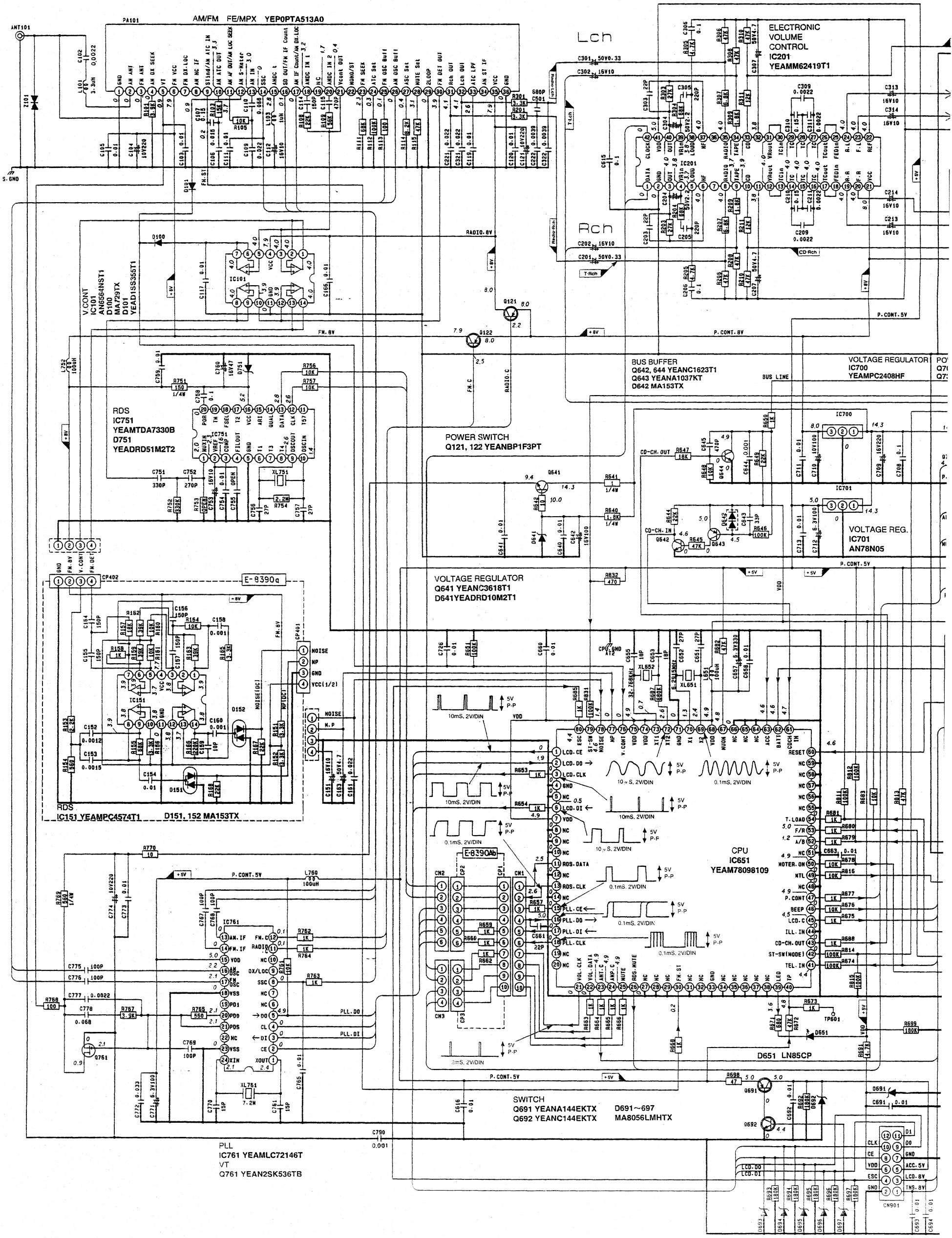
- Test tape is TCC-153.
- If you do not have a test tape, use a tape whose recording level is than 6 kHz for head adjustment. After the above adjustment apply bonding agent to the adjustment screw.
- At forward play mode, adjust Ⓕ screw only so that speaker terminal level shows max value.
- At reverse play mode, adjust Ⓡ screw only so that speaker terminal level shows max value.
- Then, again at forward play mode, check if or not speaker terminal level still shows max value.



(D-type)

SCHEMATIC DIAGRAM (Main, Display Block)

MAZDA PART No. GE7D 66 9C0 / GE7D 79 9C0
MODELS CQ-LM4720A/F



ELECTRONIC VOLUME CONTROL
IC201
YEAMM62419T1

AF AMP
IC251 YEAMPC4574T1

CN200 MS-AL-16M(W)	
a	INPUT Ach+
b	S.GND
c	INPUT Lch+
d	NC
e	NC
f	NC
g	BUS GND
h	BUS LINE
i	ACC
j	P.GND
k	+B
l	SYSTEM MUTE
m	+TNS
n	GND(-ILLUMI)
o	NC
p	NC

MUTE
Q231, 241, 331, 341
YEANC323TKT
Q311 YEANA812T1

POWER AMP IC231 YEAMTA8255AH

BUS BUFFER
Q642, 644 YEANC1623T1
Q643 YEANA1037KT
D642 MA153TX

VOLTAGE REGULATOR
IC700
YEAMPC2408HF

POWER SW
Q701 YEANBP1F3PT
Q731 YEANC114YKTX

POWER SWITCH
Q702, 704 YEANC114YKTX
Q703 YEAN2SB736T2
Q705 YEANA812T1

D700 YEADDSA3A2C

VOLTAGE REG.
IC701
AN78N05

MUTE
Q722 YEANC114YKTX
Q734 YEANA144EKTX
D720, 723 YEAD1SS355T1

CPU
IC651
YEAM78098109

D651 LN85CP

SWITCH
Q691 YEANA144EKTX
Q692 YEANC144EKTX
D691~697 MA8056LMHTX

D600 MA151KTX
D601~605 MA8056LMHTX
D606~613, D616 YEADSML011MT
D614, 615, 617~634 YEADSEC1501C

To Tape P.C.B.
E-1960-07-10 CN1

ELECTRONIC VOLUME CONTROL
IC201
YEAMM62419T1

AF AMP
IC251 YEAMPC4574T1

CN200 MS-AL-16M(W)	
a	INPUT Ach+
b	S.GND
c	INPUT Lch+
d	NC
e	NC
f	NC
g	BUS GND
h	BUS LINE
i	ACC
j	P.GND
k	+B
l	SYSTEM MUTE
m	+TNS
n	GND(-ILLUMI)
o	NC
p	NC

MUTE
Q231, 241, 331, 341
YEANC323TKT
Q311 YEANA812T1

POWER AMP IC231 YEAMTA8255AH

BUS BUFFER
Q642, 644 YEANC1623T1
Q643 YEANA1037KT
D642 MA153TX

VOLTAGE REGULATOR
IC700
YEAMPC2408HF

POWER SW
Q701 YEANBP1F3PT
Q731 YEANC114YKTX

VOLTAGE REG.
IC701
AN78N05

MUTE
Q722
YEANC114YKTX
Q734
YEANA144EKTX
D720, 723
YEAD1SS355T1

POWER SWITCH
Q702, 704 YEANC114YKTX
Q703 YEAN2SB736T2
Q705 YEANA812T1

D700 YEADDSA3A2C

D724 MA151WKTX

CPU
IC651
YEAM78098109

D651 LN85CP

SWITCH
Q691 YEANA144EKTX
Q692 YEANC144EKTX
D691~697 MA8056LMHTX

D600 MA151KTX
D601~605 MA8056LMHTX
D606~613, D616 YEADSML011MT
D614, 615, 617~634 YEADSEC1501C

To Tape P.C.B.
E-1960-07-10 CN1

AF AMP
IC251 YEAMPC4574T1

CN200 MS-AL-16M(W)	
a	INPUT Ach+
b	S.GND
c	INPUT Lch+
d	NC
e	NC
f	NC
g	BUS GND
h	BUS LINE
i	ACC
j	P.GND
k	+B
l	SYSTEM MUTE
m	+TNS
n	GND(-ILLUMI)
o	NC
p	NC

MUTE
Q231, 241, 331, 341
YEANC323TKT
Q311 YEANA812T1

CN701

MS-AL-08	
a	R-SP.LH+
b	R-SP.LH-
c	NC
d	NC
f	R-SP.RH+
h	R-SP.RH-
i	NC
j	NC

MS-AL-12	
a	ACC
b	H/F.TELMUTE
c	+B
d	ANT.SW
e	+TNS
f	NC
h	ST.SW
j	ST.SW(MODE)
k	F-SP.LH+
l	F-SP.LH-
m	F-SP.RH+
n	F-SP.RH-

POWER AMP IC231 YEAMTA8255AH

TAGE REGULATOR
0
MPC2408HF

POWER SW
Q701 YEANBP1F3PT
Q731 YEANC114YKTX

D724 MA151WKTX

MUTE
Q722
YEANC114YKTX
Q734
YEANA144EKTX
D720, 723
YEAD1SS355T1

POWER SWITCH
Q702, 704
YEANC114YKTX
Q703
YEAN2SB736T2
Q705
YEANA812T1

D700 YEADDSA3A2C

VOLTAGE REGULATOR
Q706 YEAND1862T
Q708 YEAMPC2408HF
Q735 2SD1994ATA
D701, 703 MA4091MTA
D731 YEADRD56M3T1
D732 MA15WATX
D734 YEAD1SS355T1
RESET, BATT/ACC DET
IC621 AN8065SE1
TAPE EQ.
IC371 YEAMLA3161
SWITCH
Q280, 380 YEANC114YKTX
MUTE
Q632 YEANA144EKTX
POWER SWITCH
Q631 YEANC114EKTX
Q633 2SB1073TX
D639 MA4082LTA
D640 YEADRD56M2T2

LCD DRIVER
IC601
YEAMLC75854C
(6Pin~43Pin : 2.5V)

D600 MA151KTX
D601~605 MA8056LMHTX
D606~613, D616 YEADSML011MT
D614, 615, 617~634 YEADSEC1501C

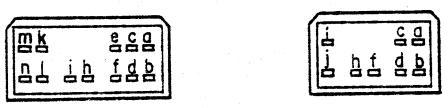
WIRING DIAGRAM (Main, Display Block)

MAZDA PART No. GE7D 66 9C0 / GE7D 79 9C0
MODELS CQ-LM4720A/F

CN702 16P CONNECTOR

a. CD Rch ⊕ Input
b. Signal Ground
c. CD Lch ⊕ Input
d. No Connection
e. No Connection
f. No Connection
g. BUS Ground
h. BUS Line
i. Power Supply, ACC
j. Power Ground
k. Power Supply, ⊕ B
l. System Mute
m. ⊕ TNS
n. Ground (Illumi. ⊖)
o. No Connection
p. No Connection

CN701 12P/8P CONNECTOR



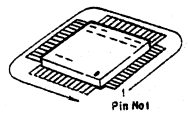
<12P CONNECTOR>

a. Power Supply, ACC
b. H/F. Telephone Mute
c. Power Supply, ⊕ B
d. Antenna Switch
e. ⊕ TNS
f. No Connection
h. Steering Switch
j. Steering SW (MODE)
k. Front Speaker, Left ⊕
l. Front Speaker, Left ⊖
m. Front Speaker, Right ⊕
n. Front Speaker, Right ⊖

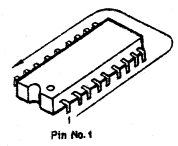
<8P CONNECTOR>

a. Rear Speaker, Left ⊕
b. Rear Speaker, Left ⊖
c. No Connection
d. No Connection
f. Rear Speaker, Right ⊕
h. Rear Speaker, Right ⊖
i. No Connection
j. No Connection

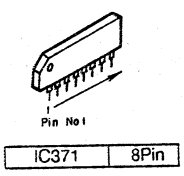
ICs & Transistors



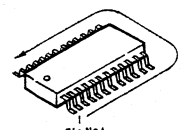
IC601	64Pin
IC651	80Pin



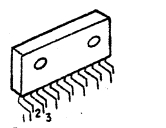
IC751	20Pin



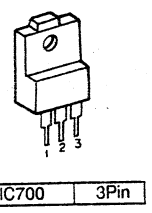
IC371	8Pin



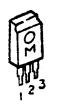
IC101	14Pin
IC151	14Pin
IC201	42Pin
IC251	14Pin
IC621	8Pin
IC761	24Pin



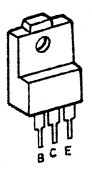
IC231	25Pin



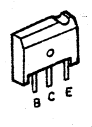
IC700	3Pin



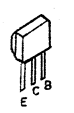
IC701	3Pin



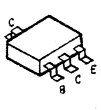
• Q708



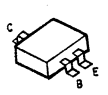
• Q706, 735



• Q121
Q122
Q701

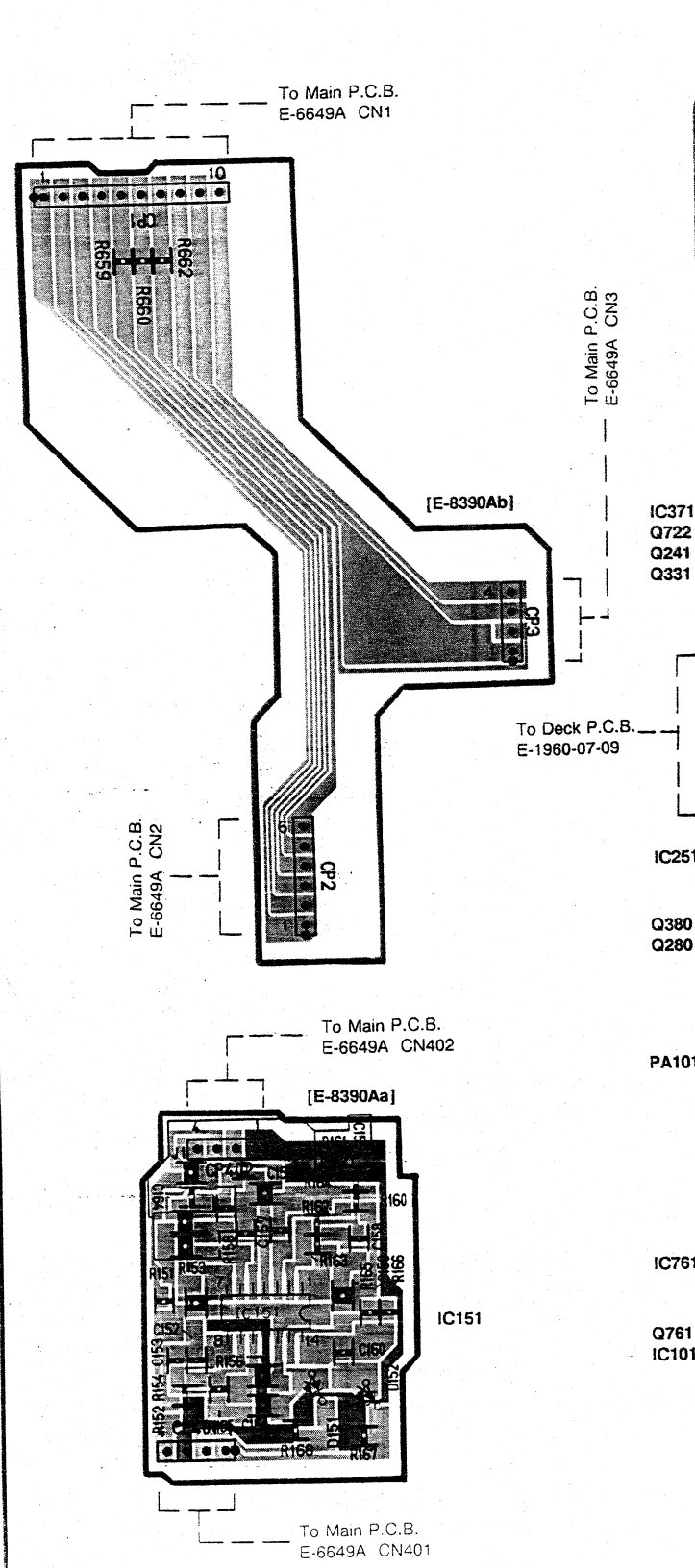


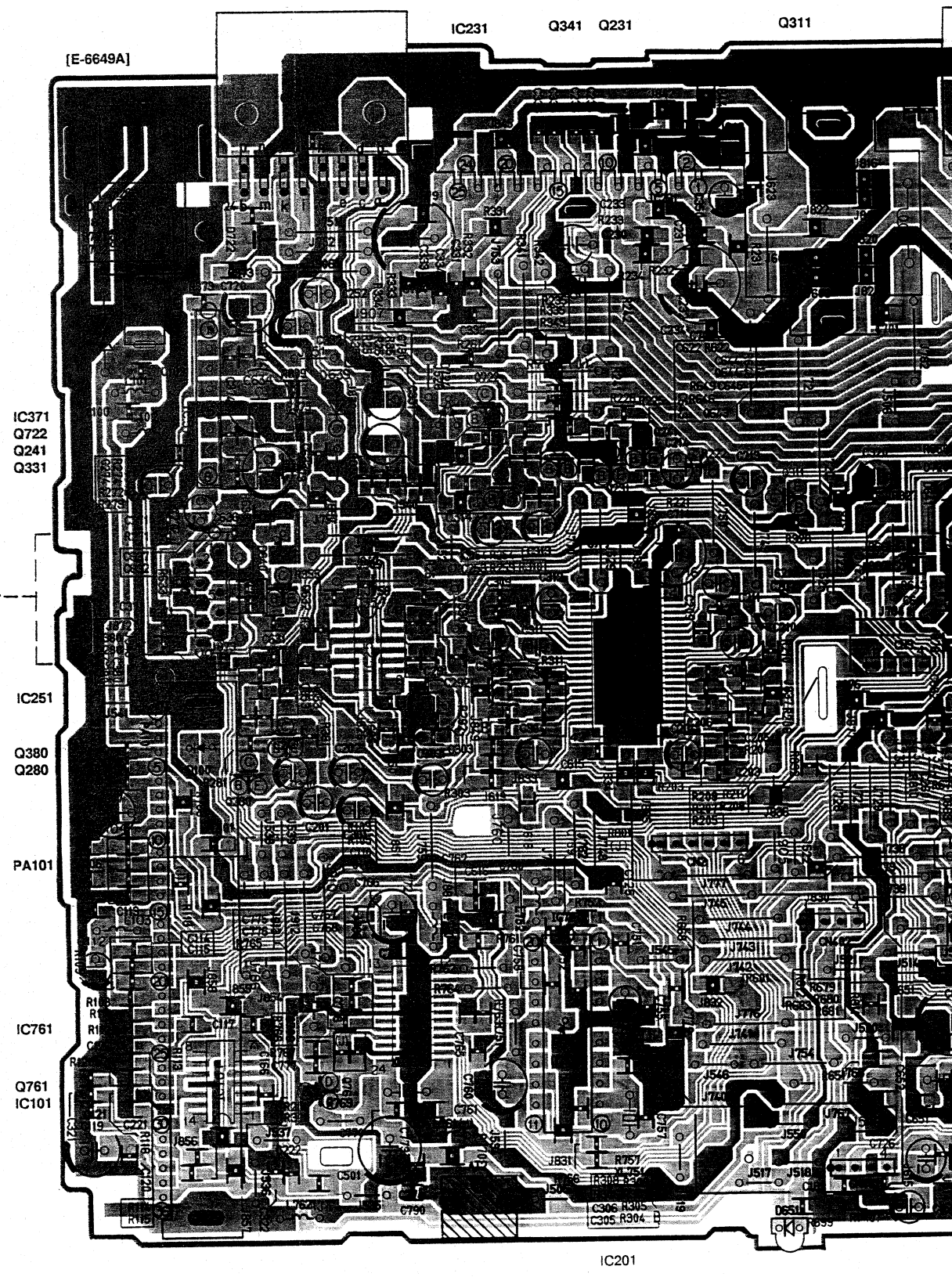
• Q633
Q641



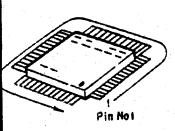
• Other transistors

Pin	IC101	IC
1	4.0	
2	4.0	
3	4.0	
4	7.9	
5	4.0	
6	4.0	
7	4.0	
8	4.0	
9	4.0	
10	3.9	
11	0	
12	3.9	
13	4.0	
14	4.0	
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

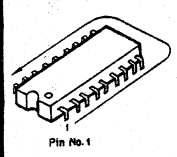




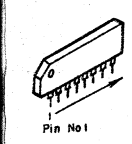
Cs & Transistors



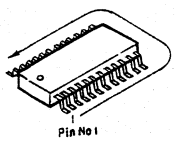
IC601	64Pin
IC651	80Pin



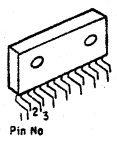
IC751	20Pin



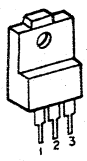
IC371	8Pin



IC101	14Pin
IC151	14Pin
IC201	42Pin
IC251	14Pin
IC621	8Pin
IC761	24Pin

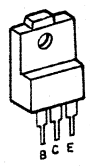


IC231	25Pin

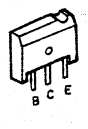


IC700	3Pin

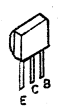
IC701	3Pin



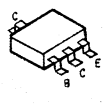
• Q708



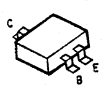
• Q706, 735



• Q121
Q122
Q701



• Q633
Q641



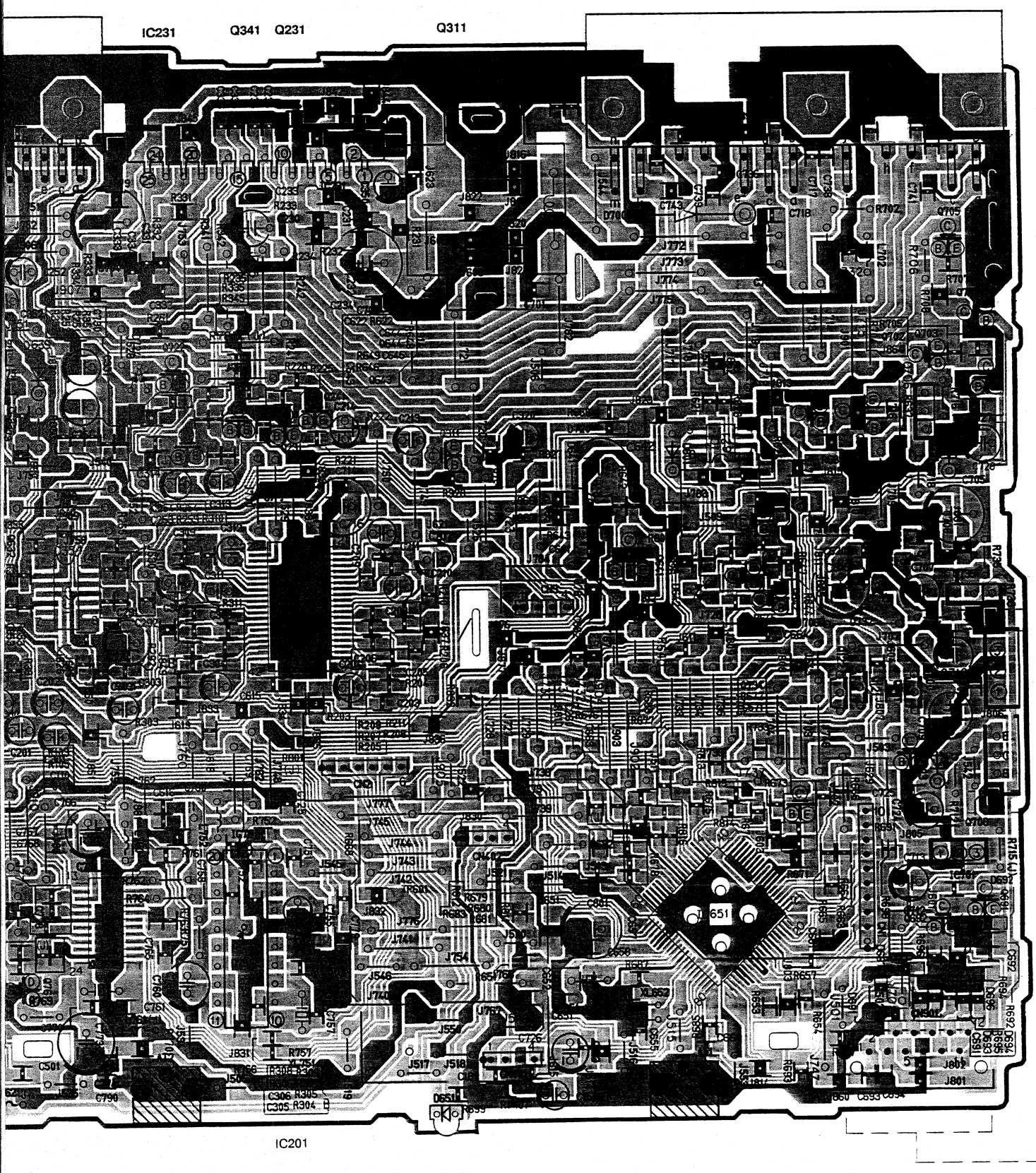
• Other transistors

Pin	IC101	IC151	IC231	IC251	IC371	IC621	IC700	IC701	IC751	IC761
1	4.0	3.9	0	4.0	1.2	1.9	14.3	14.3	2.0	2.4
2	4.0	3.9	4.9	4.0	0.8	2.1	0	0	2.3	0
3	4.0	3.8	5.9	4.0	3.3	4.4	8.0	5.0	1.6	0
4	7.9	7.7	0	8.0	7.6	0			—	0
5	4.0	3.7	5.9	0	0	4.4			0	4.9
6	4.0	3.9	14.4	7.0	3.3	1.8			—	—
7	4.0	3.9	5.9	7.0	0.8	5.0			—	—
8	4.0	3.8	0	4.0	1.2	4.5			—	0
9	4.0	3.9	5.9	4.0					2.6	—
10	3.9	3.8	5.7	4.0					1.4	—
11	0	0	0	0					—	0.1
12	3.9	3.8	0	4.0					2.6	0.1
13	4.0	3.7	0	4.0					2.8	0
14	4.0	3.8	0	4.0					—	0
15			0						—	5.0
16			0						5.2	2.2
17			5.9						—	2.1
18			0						—	0
19			5.9						—	—
20			14.4						0	2.1
21			5.9							2.1
22			0							—
23			5.9							0
24			—							2.1
25			0							

Pin	IC201		
1	0	22	4.0
2	0	23	4.0
3	4.0	24	4.0
4	3.8	25	4.0
5	3.7	26	4.0
6	4.0	27	4.0
7	—	28	4.0
8	4.0	29	4.0
9	3.7	30	4.0
10	3.9	31	4.0
11	3.8	32	3.8
12	4.0	33	4.0
13	4.0	34	3.8
14	4.0	35	4.0
15	4.0	36	—
16	4.0	37	4.0
17	4.0	38	3.8
18	4.0	39	3.8
19	4.0	40	4.0
20	4.0	41	5.0
21	8.0	42	0

Pin	PA101		
1	0	19	—
2	0	20	1.7
3	0	21	0.4
4	0	22	—
5	0.9	23	2.3
6	7.9	24	0.3
7	—	25	0.1
8	—	26	0
9	0.2	27	0.4
10	3.3	28	3.1
11	3.7	29	0
12	0.9	30	3.9
13	3.0	31	4.1
14	0	32	4.1
15	2.8	33	2.6
16	0.1	34	0
17	0	35	7.9
18	3.2	36	0

	B	C	E
Q121	2.2	8.0	8.0
Q122	2.5	7.9	8.0
Q231	0	0	0
Q241	0	0	0
Q280	0	0	0
Q311	0	0	0
Q331	0	0	0
Q341	0	0	0
Q380	0	0	0
Q631	2.7	0.1	0
Q632	5.1	0	5.7
Q633	13.7	14.3	14.4
Q641	10.0	14.3	9.4
Q642	0	4.6	0
Q643	4.5	0	5.0
Q644	0	4.9	0
Q691	0	5.0	5.0
Q692	4.4	0	0
Q701	0	14.3	14.4
Q702	4.5	0	0
Q703	13.7	14.4	14.3
Q704	4.4	0	0
Q705	13.7	14.4	14.4
Q706	8.6	14.3	8.2
Q708	1.5	1.7	1.4



<Switches>

SW601 :
Power Switch
SW603 :
BAND Switch
SW604 :
TAPE Switch
SW605 :
CD Switch
SW606 :
VOL. Down Switch
SW607 :
SEL Switch
SW608 :
VOL. Up Switch
SW609 :
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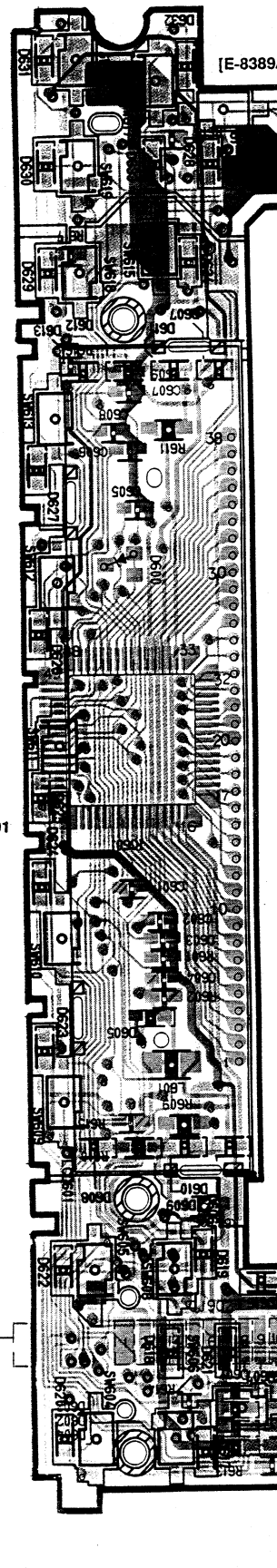
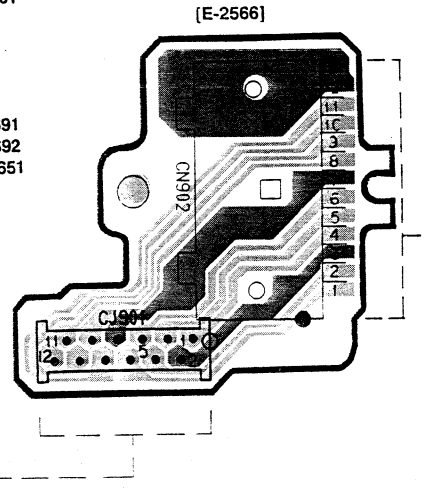
SW610 :
Preset 2 / RDM Switch
SW611 :
Preset 3 / RPT Switch
SW612 :
Preset 4 / SCAN Switch
SW613 :
Prest 5 / MTL Switch
SW614 :
CLOCK Switch
SW615 :
TUNE ⋁/ ⏮ /H Switch
SW616 :
AST Switch
SW617 :
TUNE ⋀/ ⏭ /M Switch
SW618 :
TA Switch
SW619 :
PTY Switch
SW620 :
AF Switch





Pin	IC101	IC151	IC231	IC251	IC371	IC621	IC700	IC701	IC751	IC761
1	4.0	3.9	0	4.0	1.2	1.9	14.3	14.3	2.0	2.4
2	4.0	3.9	4.9	4.0	0.8	2.1	0	0	2.3	0
3	4.0	3.8	5.9	4.0	3.3	4.4	8.0	5.0	1.6	0
4	7.9	7.7	0	8.0	7.6	0			–	0
5	4.0	3.7	5.9	0	0	4.4			0	4.9
6	4.0	3.9	14.4	7.0	3.3	1.8			–	–
7	4.0	3.9	5.9	7.0	0.8	5.0			–	–
8	4.0	3.8	0	4.0	1.2	4.5			–	0
9	4.0	3.9	5.9	4.0					2.6	–
10	3.9	3.8	5.7	4.0					1.4	–
11	0	0	0	0					–	0.1
12	3.9	3.8	0	4.0					2.6	0.1
13	4.0	3.7	0	4.0					2.8	0
14	4.0	3.8	0	4.0					–	0
15			0						–	5.0
16			0						5.2	2.2
17			5.9						–	2.1
18			0						–	0
19			5.9						–	–
20			14.4						0	2.1
21			5.9							2.1
22			0							–
23			5.9							0
24			–							2.1
25			0							

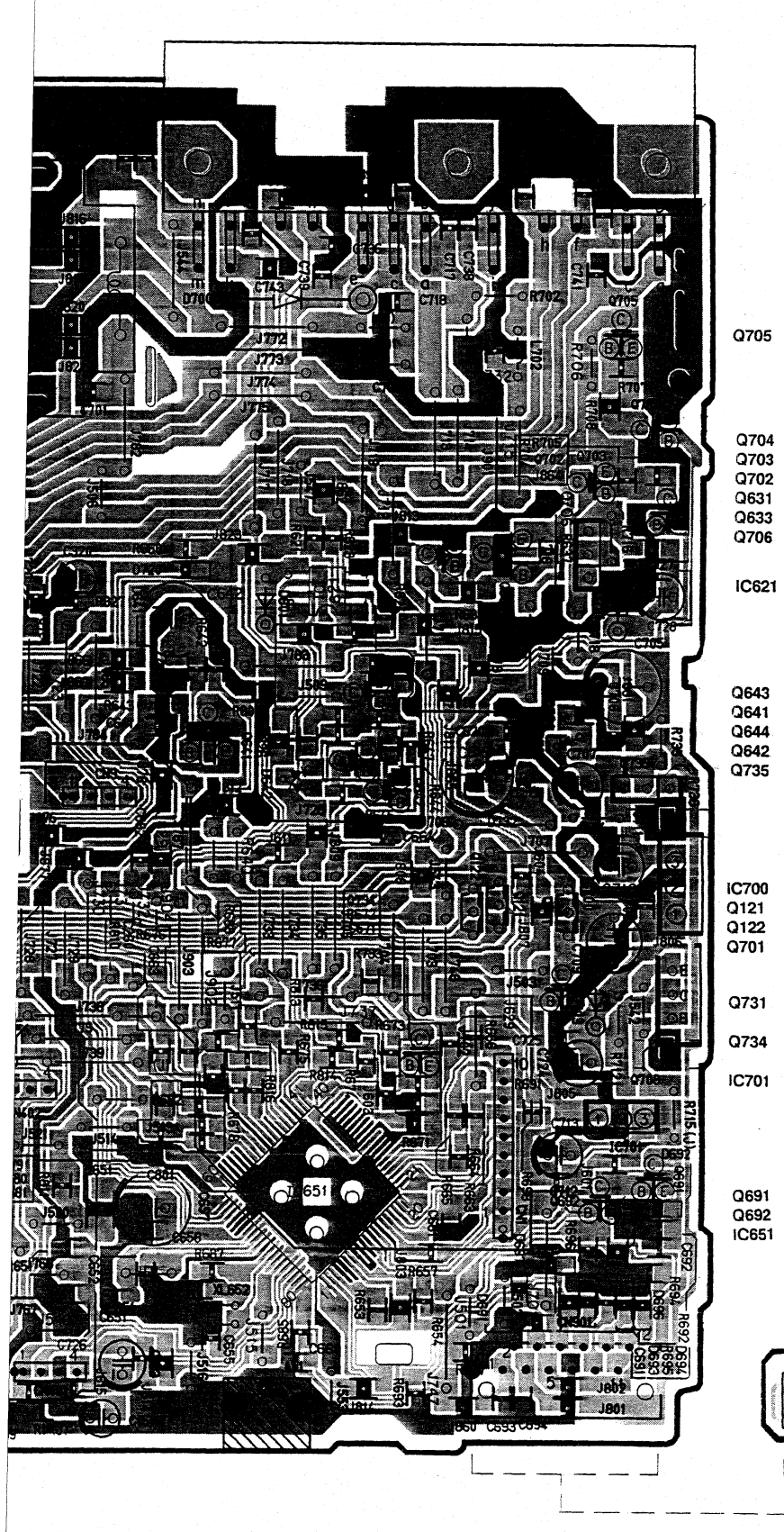
Pin	IC201		
1	0	22	4.0
2	0	23	4.0
3	4.0	24	4.0
4	3.8	25	4.0
5	3.7	26	4.0
6	4.0	27	4.0
7	–	28	4.0
8	4.0	29	4.0
9	3.7	30	4.0
10	3.9	31	4.0
11	3.8	32	3.8
12	4.0	33	4.0
13	4.0	34	3.8
14	4.0	35	4.0
15	4.0	36	–
16	4.0	37	4.0
17	4.0	38	3.8
18	4.0	39	3.8
19	4.0	40	4.0
20	4.0	41	5.0
21	8.0	42	0

Pin	PA101		
1	0	19	–
2	0	20	1.7
3	0	21	0.4
4	0	22	–
5	0.9	23	2.3
6	7.9	24	0.3
7	–	25	0.1
8	–	26	0
9	0.2	27	0.4
10	3.3	28	3.1
11	3.7	29	0
12	0.9	30	3.9
13	3.0	31	4.1
14	0	32	4.1
15	2.8	33	2.6
16	0.1	34	0
17	0	35	7.9
18	3.2	36	0

	B	C	E
Q121	2.2	8.0	8.0
Q122	2.5	7.9	8.0
Q231	0	0	0
Q241	0	0	0
Q280	0	0	0
Q311	0	0	0
Q331	0	0	0
Q341	0	0	0
Q380	0	0	0
Q631	2.7	0.1	0
Q632	5.1	0	5.7
Q633	13.7	14.3	14.4
Q641	10.0	14.3	9.4
Q642	0	4.6	0
Q643	4.5	0	5.0
Q644	0	4.9	0
Q691	0	5.0	5.0
Q692	4.4	0	0
Q701	0	14.3	14.4
Q702	4.5	0	0
Q703	13.7	14.4	14.3
Q704	4.4	0	0
Q705	13.7	14.4	14.4
Q706	8.6	14.3	8.2
Q708	1.5	1.7	1.4

	B	C	E
Q722	4.0	0	0
Q731	4.5	0	0
Q734	4.9	0	5.0
Q735	6.3	14.4	5.7

	G	D	S
Q761	2.1	0.9	0



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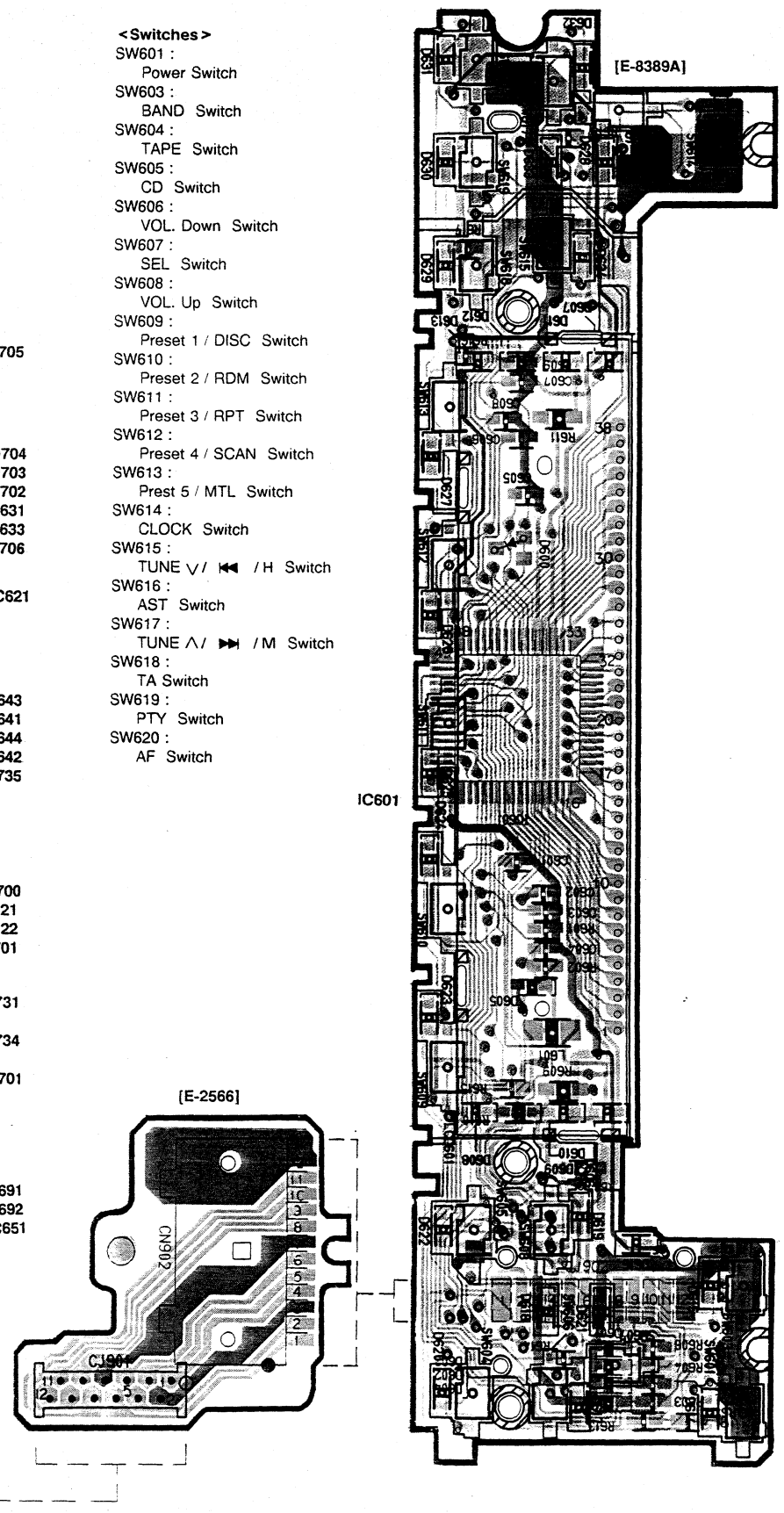
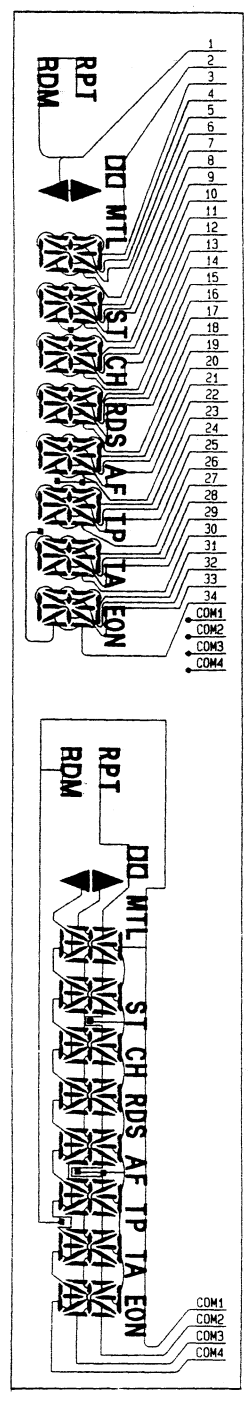
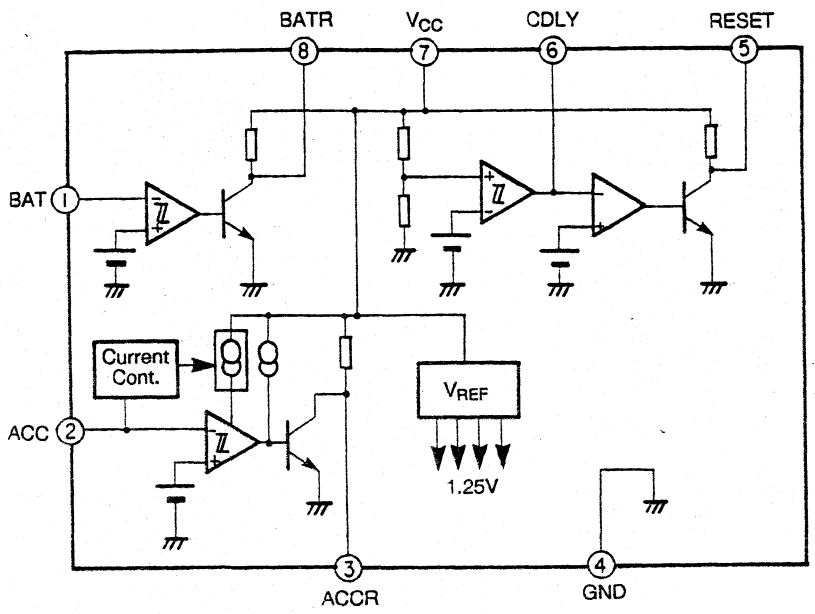


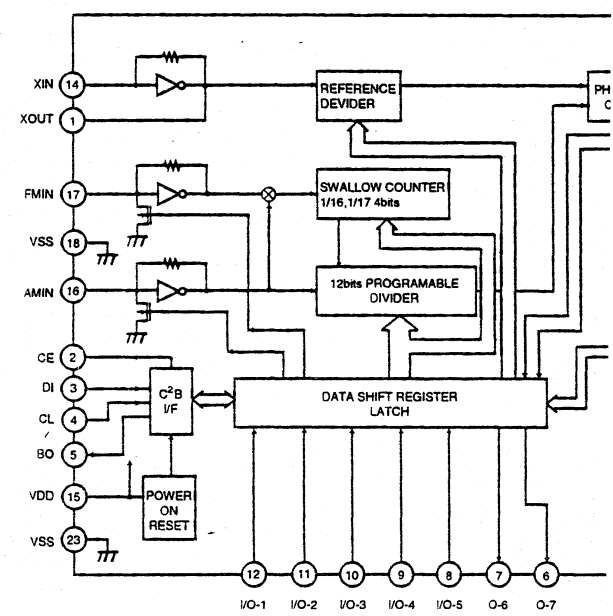


IC BLOCK DIAGRAM

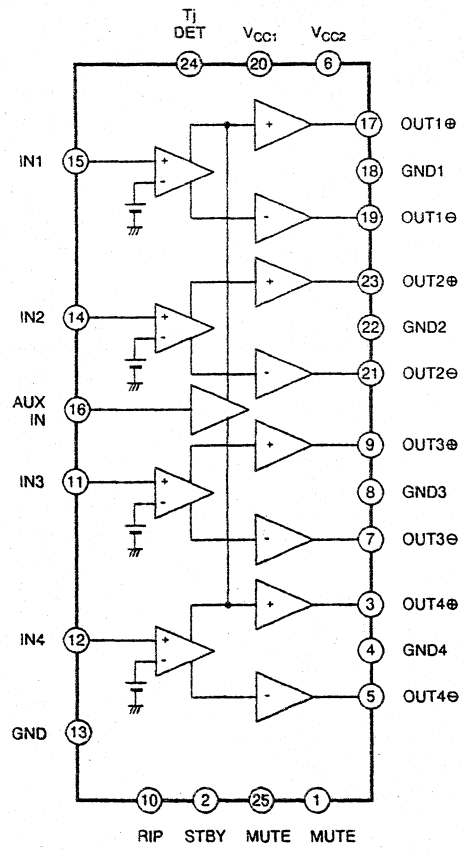
• IC621 AN8065SE1



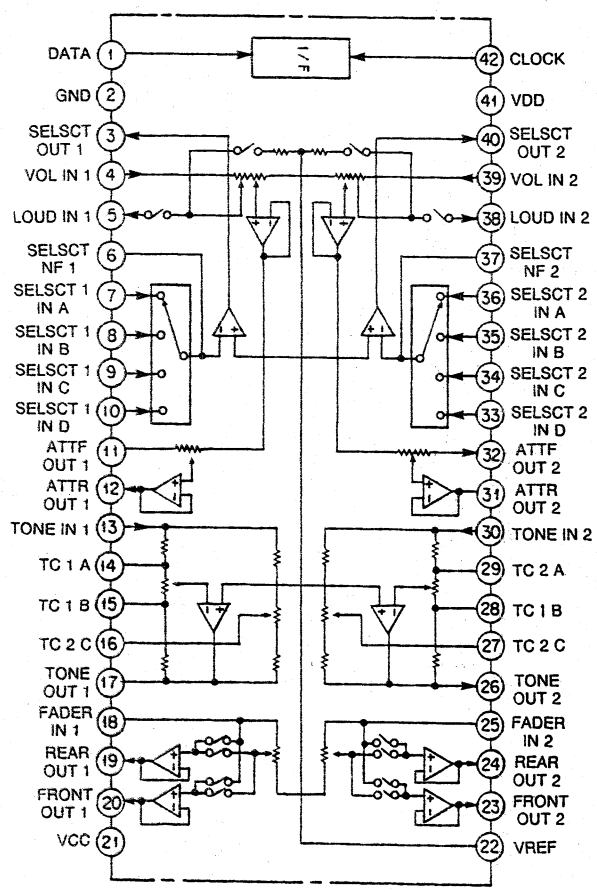
• IC761 YEAMLC72146T



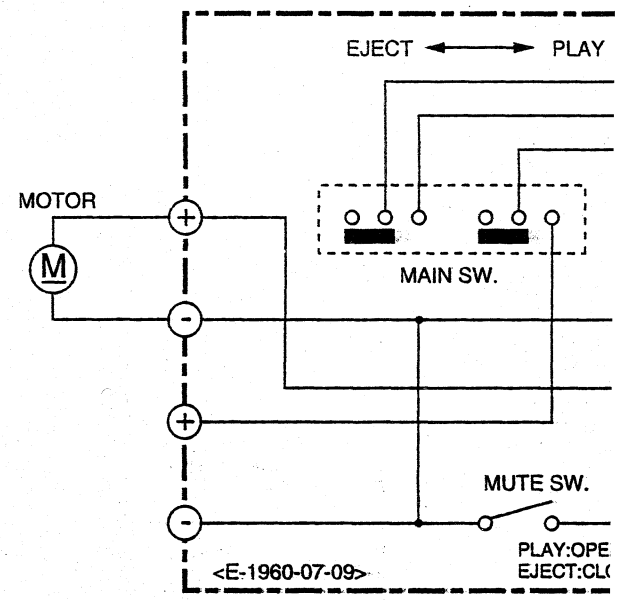
• IC231 YEAMTA8255AH

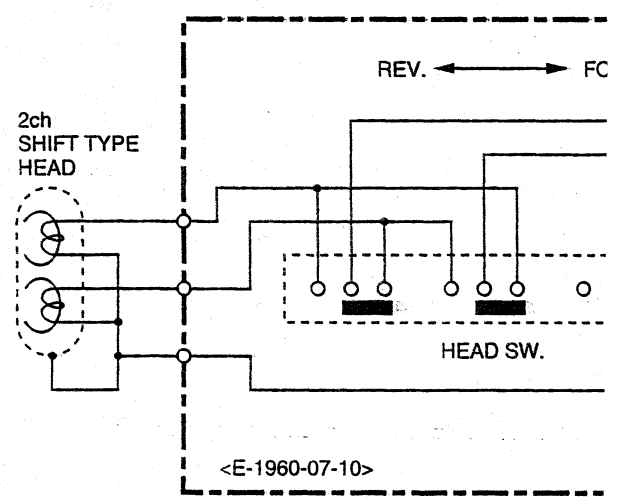


• IC201 YEAMM62419T1

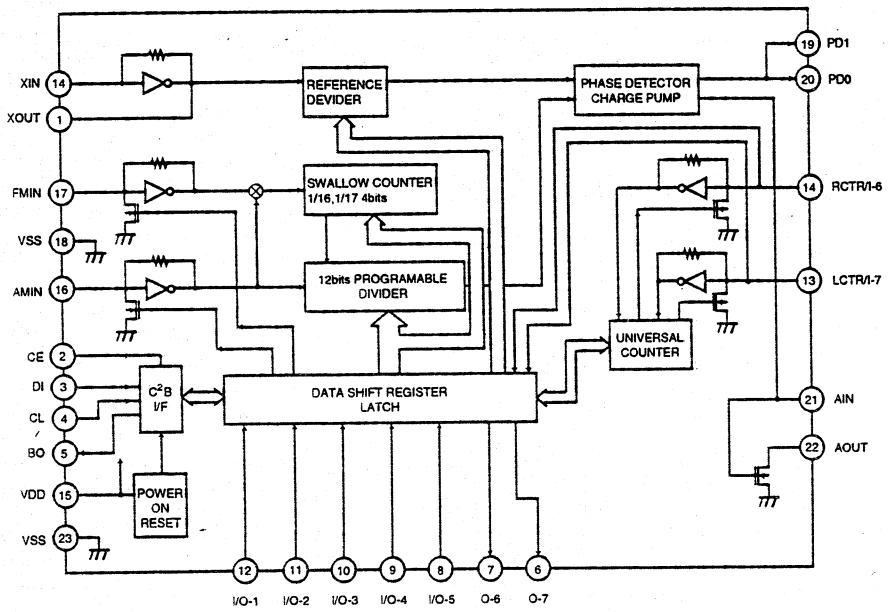


SCHEMATIC DIAGRAM (Tape Block)

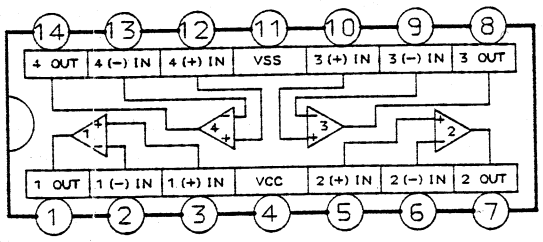




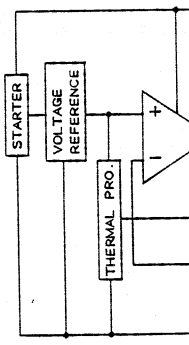
• IC761 YEAMLC72146T



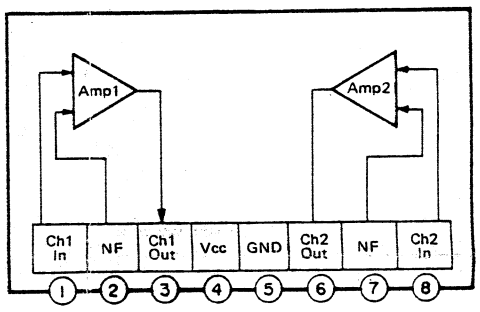
• IC151, 251 YEAMPC4574T1



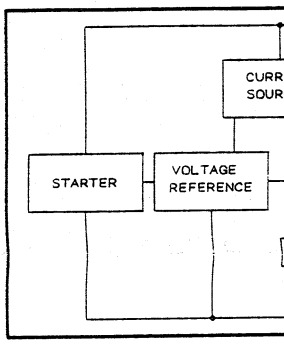
• IC700 YE



• IC371 YEAMLA3161



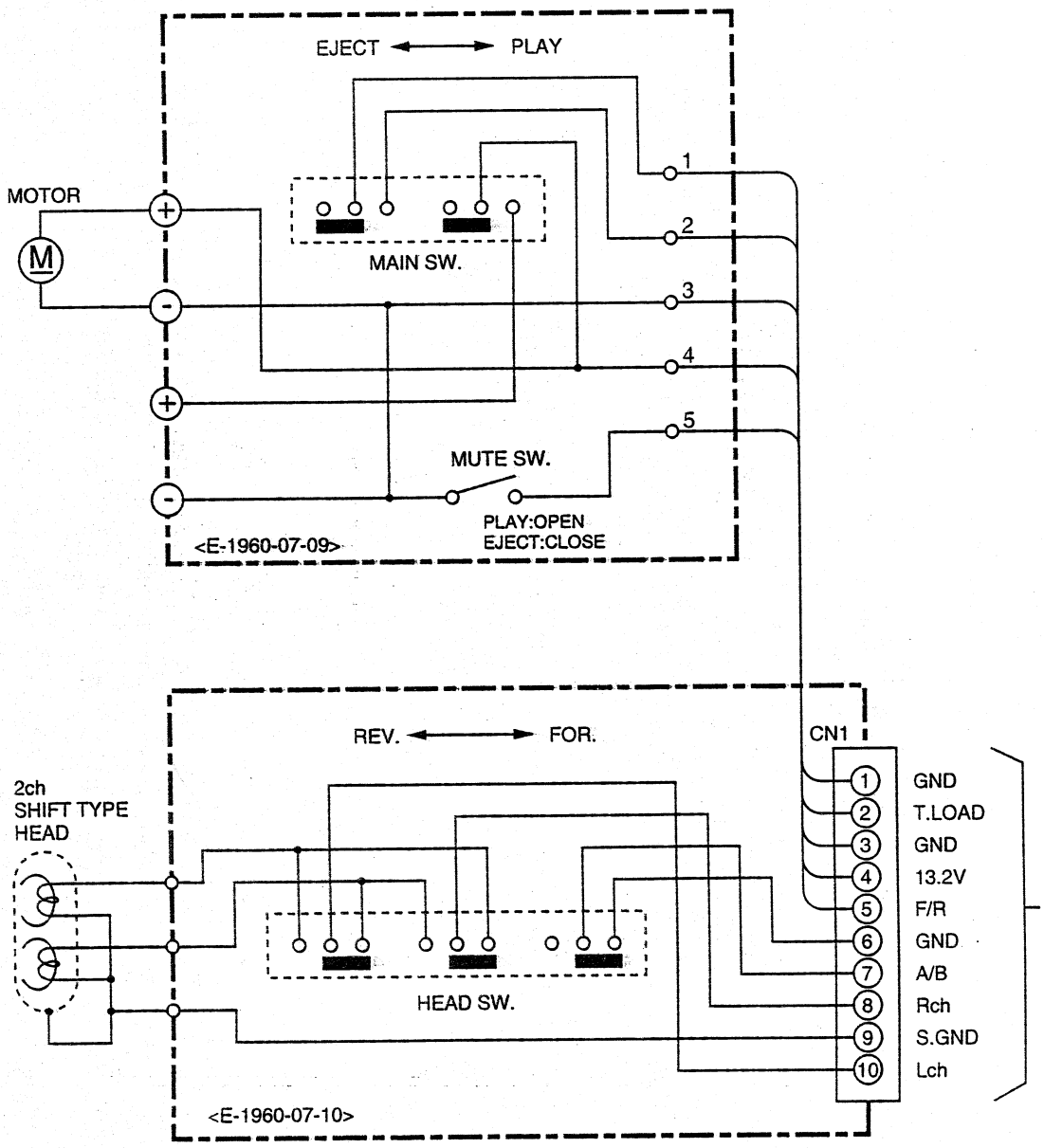
• IC701 AN78N05



SCHEMATIC DIAGRAM (Tape Block)

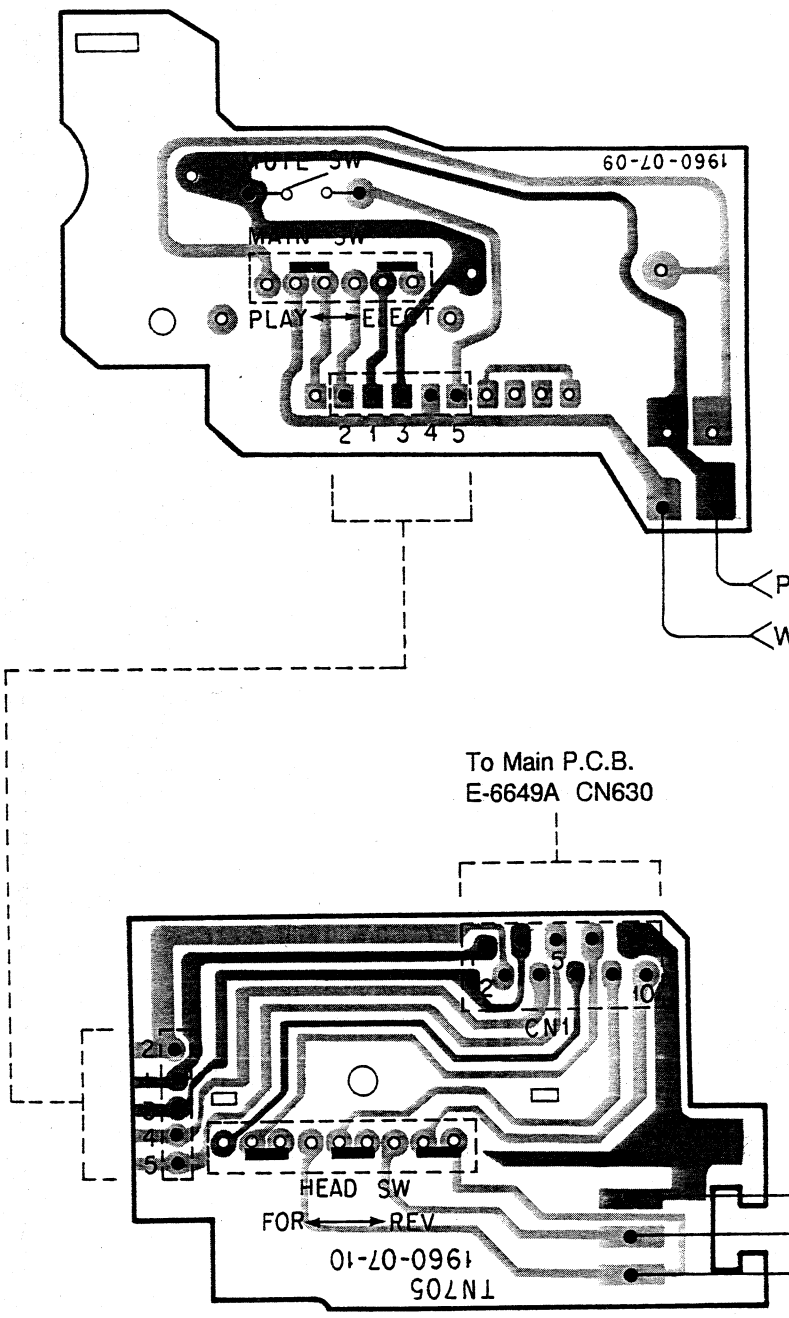
MAZDA PART No. GE7D 66 9C0 / GE7D 79 9C0
MODELS CQ-LM4720A/F

CLOCK
VDD
SELSCT OUT 2
VOL IN 2
LOUD IN 2
SELSCT NF 2
SELSCT 2 IN A
SELSCT 2 IN B
SELSCT 2 IN C
SELSCT 2 IN D
ATTF OUT 2
ATTR OUT 2
TONE IN 2
TC 2 A
TC 1 B
TC 2 C
TONE OUT 2
FADER IN 2
REAR OUT 2
FRONT OUT 2
VREF



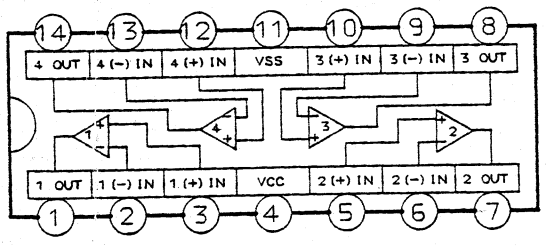
WIRING DIAGRAM (Tape Block)

MAZDA PART No. GE7D 66
MODELS CQ-LM4720A/F

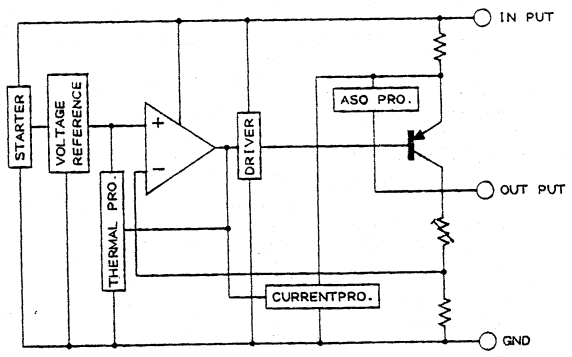


AM/FM MPX ELECTRONIC TUNING RADIO with stereo cassette tape player, CD Player Controller and CD Changer Controller

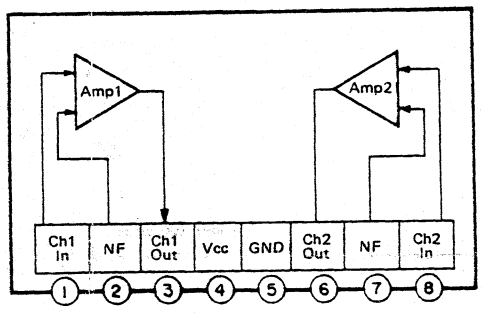
• IC151, 251
YEAMPC4574T1



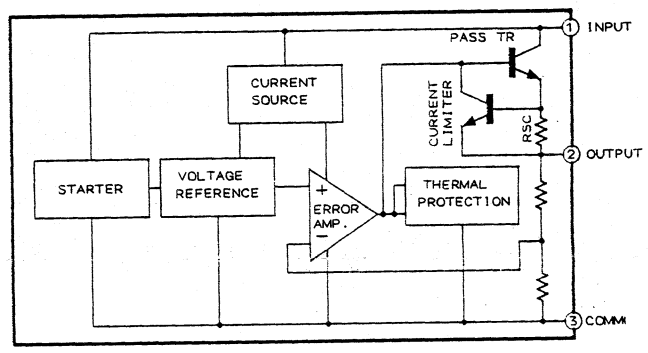
• IC700 YEAMPC2408HF

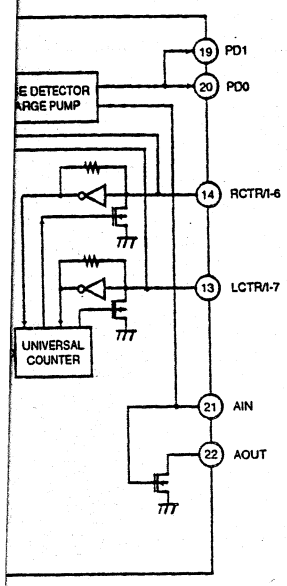


• IC371
YEAMLA3161



• IC701 AN78N05





MAZDA PART No. GE7D 66 9C0 / GE7D 79 9C0
MODELS CQ-LM4720A/F

WIRING DIAGRAM (Tape Block)

MAZDA PART No. GE7D 66 9C0 / GE7D 79 9C0
MODELS CQ-LM4720A/F